

Attachment to
K-626 Vol 2

II Miscellaneous Products (continued)

31/1/90 (Supersedes chart of 12/21/89) Product	First Year Produced Or Sold	Last Year Produced, Supplied Or Sold Or Year Asbestos Removed	Purpose for Which Product Intended	Asbestos Content %	Year Warning Label Placed On Product	Form of Product (Solid, Granule, etc.) How Pkgd.	Product Cut, Sawed, etc., on Job Site (Yes/No)	Product Mixed etc. on Job Site (Yes/No)	Physical Composition and Type of Asbestos in Product	Additional Comments
Asbestos tile form used for special orders for metal mesh blankets	1938	As late as 1957	Asbestos tile cores, were installed at the OCF plant. Used to hold metal mesh to fiberglass blanket core; mesh to fiberglass blanket core; were offered as an option.	Asbestos content of tile unknown	No warning label believed to have been placed on product	Solid bonded, telescope type, plain cortons	Unknown	No	Flexible insulating blanket, all glass wool with metal facing on one or both sides	Had to be special ordered Asbestos tile cores not pro- duced by OCF
Polyester Resins and Adhesives designed by various product groups	1969	1970	Thermosetting resins and adhesives used for reinforced plastics	Less than 1%	Not Applicable	Resin dram	No	Yes	Polyester resin with encapsulated cellulose	
PC-26 TL Coating used as special order coating on acoustical board and tile	'60s	'60s	Coating used to increase sound attenuation of ceiling board and tile	Slight	No warning label believed to have been placed on product	Coating	No	No	Encapsulated 20% asbestos fibers	

II Miscellaneous Products (continued)

11/1/90 (supercedes chart of 12/21/89) Product	First Year Produced Or Sold	Last Year Produced, Supplied Or Sold Or Year Asbestos Removed	Purpose For Which Product Intended	Asbestos Content %	Year Warning Label Placed On Product	Form of Product (Solid, Granule, etc.) See Page	Product Cat. Sawed, etc. on Job Site (Yes/No)	Product Mixed etc. on Job Site (Yes/No)	Physical Composition and Type of Asbestos in Product	Additional Comments
Fiber Roof Coating	1961	Oct., 1990	Roofing adhesives, surface treatments, and repairs	5-10%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Aluminum Asphalt Fiber Coating	1961	Oct., 1990	Roofing adhesives, surface treatments, and repairs	less than 8%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Asphalt B U Resurfacer	1961	1983	Roofing adhesives, surface treatments, and repairs	8-12%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Aluminum BUR Surfacer	1961	1983	Roofing adhesives, surface treatments, and repairs	4-7%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Roof Coat Asphalt Emission	1961	1983	Roofing adhesives, surface treatments, and repairs	2.5-6%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely

The following is a list of roof coatings
adhesives manufactured by various
companies other than OCF and sold by,
or rebranded for, OCF

II Miscellaneous Products (continued)

11/1/90 (Supersedes Chart of 12/21/89) Product	First Year Produced Or Sold	Last Year Produced, Supplied Or Sold Or Year Asbestos Removed	Purpose for Which Product Intended	Asbestos Content %	Year Wearing Label Placed On Product	Form of Product (Solid, Granule, etc.) How Pkgd	Product Cut, Sawed, etc. on Job Site (Yes/No)	Product Mined etc. on Job Site (Yes/No)	Physical Composition and Type of Asbestos in Product	Additional Comments
O. I. Roof Coat Asphalt Emulsion	1961	1983	Roofing adhesives, surface treatments, and repairs	2-3%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
20# Roof Emulsion	1977	Oct., 1990	Roofing adhesives, surface treatments, and repairs	Unknown	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Fiberglass Emulsion	1961	1983	Roofing adhesives, surface treatments, and repairs	Unknown	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Cold Process Mastic	1961	1983	Roofing adhesives, surface treatments, and repairs	6-8%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Plastic/Flashing Cement	1961	Oct., 1990	Roofing adhesives, surface treatments, and repairs	14-15%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Plastic Roof Cement (Hot Patch)	1961	1983	Roofing adhesives, surface treatments, and repairs	Unknown	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely

II Miscellaneous Products (continued)

11/1/90 (Supersedes chart of 12/21/89) Product	First Year Produced Or Sold	Last Year Produced, Supplied Or Sold Or Year Asbestos Removed	Purpose For Which Product Intended	Asbestos Content %	Year Warning Label Placed On Product	Form of Product (Solid, Granule, etc.) New Page	Product Cut, etc., on Job Site (Year/No)	Product Mixed, etc., on Job Site (Yes/No)	Physical Composition and Type of Asbestos In Product	Additional Comments
Cold Application Cement No. 38-S	1961	1983	Roofing adhesives, surface treatments, and repairs	Unknown	Not applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos.	Once applied, this product is believed to remain in a plastic state indefinitely
Shingle Tab Cement	1961	1983	Roofing adhesives, surface treatments, and repairs	Unknown	Not applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos.	Once applied, this product is believed to remain in a plastic state indefinitely
Roofing Cement	1961	Oct., 1990	Roofing adhesives, surface treatments, and repairs	5-15%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Permatop Adhesive	1961	1985	Roofing adhesives, surface treatments, and repairs	1-2.5%	Not Applicable	Asphalt base in drums or pails	No	No	Asphalt base with encapsulated asbestos	Once applied, this product is believed to remain in a plastic state indefinitely
Roofing Felt	1960's	1978	Roofing adhesives, surface treatments, and repairs	Unknown	No warning label believed to have been placed on product	Fibrous paper rolls	Yes, as necessary	No	Asphalt coated fibrous paper containing asbestos	

PRODUCTS CONTAINING
ASBESTINE X, ASBESTINE 3X, OR ASBESTINE 325
PRODUCED BY INTERNATIONAL TALC COMPANY OR R. T. VANDERBILT CO., INC.
(Products on this chart included only a trace amount of asbestos as a part of the binder system;
only a small portion of asbestos is made up of fibers which may be classifiable as asbestiform)

11/1/80 (Supersedes chart of 12/21/79) Product	First Year Produced Supplied Or Sold	Last Year Produced, Supplied Or Sold Or Year Asbestos Removed	Purpose for Which Product Intended	Asbestos Content %	Year Warning Label Placed On Product	Form of Product (Solid, Granule, etc.)	Product Cut, Sand, etc. on Job Site (Yoz/No)	Product Blind etc. on Job Site (Yoz/No)	Physical Composition Asbestos in Product	Additional Comments
Continuous and Chopped Strand Mat	1969	1978	Reinforcing mats for reinforced plastics	Less than 1% Asbestos in resin binder	Not Applicable	Solid Mats	Yes, if necessary when used as a component in the manufacture of products	No	Fibrous mats with encapsulated Asbestine X and 3X in resinous binder	
B1 and B2 Ceiling Board and Tile	Mid '60s	No later than 1978	One and two hour fire-rated ceiling board and tile	Approx. 5% Asbestos in resin binder and coating	Not Applicable	Solid	Not anticipated when this item is a component in a finished product	Yes	Fibrous ceiling board and tile with encapsulated Asbestine 325 in the binder	
Acoustical Paint	'60s	No later than 1978	Acoustical paint	Unknown	Not Applicable	Painted coating	Not anticipated when this item is a component in a finished product	No	Acoustical paint containing encapsulated Asbestine 325. Believed to have been applied as surface coating for fibrous ceiling	

11/1/90
(superseded chart of 12/21/89)

* These charts were prepared in the course of litigation to serve as a concise reference to the OCF products thought to have contained asbestos or Asbestiform. It is an abbreviated compilation of voluminous information obtained from many diverse sources and is based on historical records which may or may not remain complete as well as the memory of OCF employees. Some of the products listed may not have contained asbestos or Asbestiform throughout the entire period for which they are listed. There may be manufacturers of roofing products rebranded for OCF which do not appear on the chart. The company's records are not complete enough to state with certainty that all asbestos-containing products are listed or that each manufacturer under rebrand agreements had been identified.

** E-409, E-421, E-441, E-442, E-442-3, E-442-4, E-442-5, E-443, E-444, E-447, E-447-3, E-447-4, E-447-5, E-447-6, E-448-5, E-448-9, E-449, E-449-7, E-450, E-450-1, E-450-2, E-450-4, E-450-5, E-450-6, E-450-7, E-450-8, E-451, E-675-1, E-707, CX-236, CX-238, CX-249, CX-287, CX-302, CX-307-1, CX-302, CX-314, CX-760, CX-811

*** American Blackline Coolings, Inc.; Argo; Chevron Asphalt Co.; Filinole; Gardner Asphalt Corp.; Gibson-Humans Co.; Grady Industries, Inc.; Gulf States Asphalt Co.; Lion Oil; Monsanto; Monsey Products Co.; Pro-Seal; Torco; W. W. Henry Co.

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MINUTES
of
BOARD OF DIRECTORS MEETING
of the
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Biltmore Hotel New York, N. Y.
January 13, 1960

The meeting was called to order at 2:00 P. M. by Chairman E. H. Luchs with the following in attendance:

DIRECTORS

E. H. Luchs
Norman Barr (Proxy for R. R. Porter)
R. E. Buckley
F. T. Christenson (Proxy for Frank Christenson)

G. J. Christner
T. S. Clousing
J. W. Cordrey (Proxy for J. C. Voiles)
A. M. Ehret, Jr.
H. B. Hutten
J. B. Jobe
E. T. Johnson
P. D. Kaley
Ike Keith
F. W. Muller
H. T. Williams

Mundet Cork Corp.
Keasbey & Mattison Company
Pittsburgh Corning Corp.
Refractory & Insulation Corp.

The Eagle-Picher Company
M. H. Detrick Company
Fibreboard Paper Products Co.
Baldwin-Ehret-Hill, Inc.
The Ruberoid Company
Johns-Manville Sales Corp.
Union Asbestos & Rubber Co.
Pittsburgh Plate Glass Co.
Forty-Eight Insulations, Inc.
Gustin-Bacon Mfg. Company
Owens-Corning Fiberglas Corp.

OTHERS PRESENT

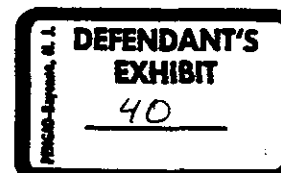
D. L. Hinman
L. A. Hoff
M. I. Ruddock, Legal Counsel
J. M. Barnhart

Johns-Manville Sales Corp.
Johns-Manville Sales Corp.
Cadwalader, Wickersham & Taft
National Insulation Mfrs. Assn.

APPROVAL OF MINUTES

A motion was made, seconded and passed

That the Minutes of the Board of Directors Meeting of September 9, 1959, as bulletined by the Association office be approved.



TREASURER'S REPORT

The Association's Balance Sheet and Statement of Income and Expenditures as of December 31, 1959, were outlined by Mr. F. T. Christenson.

The Treasurer's Report is attached to these Minutes and made part thereof.

It was reported that the income for 1960 will be in the neighborhood of \$82,000.00.

ELECTION OF BOARD MEMBER

Due to commitments within his company, Mr. R. A. McLaughlin resigned as a member of the Board of Directors and Vice President, and has asked that Mr. P. D. Kaley replace him on the Board of Directors.

A motion was made by Mr. F. W. Muller, seconded by Mr. T. S. Clousing and unanimously passed

That Mr. P. D. Kaley be elected as his company's designated representative on the Board of Directors.

ELECTION OF VICE PRESIDENT & MEMBER OF EXECUTIVE COMMITTEE

Mr. J. B. Jobe reported that the Nominating Committee proposed the following names to serve as Vice President and Member of the Executive Committee to fill the vacancies in accordance with the NIMA By-Laws:

Vice President - H. T. Williams
Executive Committee Member - Ike Keith

There being no further nominations, a motion was made by Mr. A. M. Ehret, Jr. seconded by Mr. G. J. Christner and unanimously passed

That the Vice President and Member of the Executive Committee as proposed by the Nominating Committee be elected,

SPECIAL COMMITTEE REPORT ON ESTABLISHMENT OF A SAFETY PROGRAM

Mr. J. B. Jobe reported that safety was a subject that was considered in conjunction with a Manufacturing Committee, and that basically a manufacturing program could be broken down into the following parts:

SPECIAL COMMITTEE REPORT ON ESTABLISHMENT OF A
SAFETY PROGRAM (cont'd.)

- (a) Manufacturing Methods. It was the consensus of the group that the diversification of manufacturing methods within NIMA was great and that the feasibility of such a program would be impractical, therefore the subject should be tabled.
- (b) Safety. It was the consensus of the group that the reporting of statistics relating to accident prevention was adequately covered by the program that many of NIMA members participate in with the National Mineral Wool Association, and therefore the subject should be tabled.
- (c) Health. The feeling of the group on this aspect was that the industry could benefit from such a program. This subject will be studied further and a recommendation will be made at the next NIMA Board Meeting.

STATISTICAL REPORTING

It was reported that two letters had been received from members suggesting that benefit would be derived by reporting statistics on a geographical basis in addition to the statistics already received.

Discussion on the subject revealed that reporting on a state basis would be costly and impractical. However, reporting on a regional basis would appear to be feasible and will be investigated further. In this respect, Mr. Barnhart was asked to determine the individual company members regional sales boundaries in an attempt to see if there were five or six areas of the country that would be fairly common to the membership. This will be done by mailing maps to the members upon which they are to indicate the sales regions for which they would have figures available in the normal course of business.

The estimated cost of handling such an enlarged statistical reporting service will be secured from Price Waterhouse & Company

NIMA members were asked to look into their company costs in participating in such a program.

This subject will be discussed further at the NIMA Spring Meeting.

REVISION TO NIMA CONSTITUTION

Mr. H. T. Williams reported that the Committee had met and discussed the expansion of the membership categories in the NIMA Constitution to include the foamed plastic manufacturers. Because of the fact that foamed plastic was a different product than those presently included in the Association with different problems, it was recommended that no change be made in the Constitution at this time. Following discussion it was the consensus that the

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NATIONAL INSULATION MANUFACTURERS ASSOCIATION

441 LEXINGTON AVENUE - NEW YORK 17, N. Y.



MINUTES
of
BOARD OF DIRECTORS MEETING
of the
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Fonte Vedra Beach, Fla. May 6, 1960

The meeting was called to order at 8:30 A. M. by Chairman E. H. Luchs with the following in attendance:

DIRECTORS

E. H. Luchs	Mundet Cork Corp.
N. L. Barr (Proxy for R. R. Forter)	Keasbey & Mattison Company
R. E. Buckley	Pittsburgh Corning Corp.
Frank Christenson	Refractory & Insulation Corp.
A. M. Ehret, Jr.	Baldwin-Ehret-Hill, Inc.
J. B. Jobe	Johns-Manville Sales Corp.
P. D. Kaley	Pittsburgh Plate Glass Co.
E. Keith	Forty-Eight Insulations Inc.
F. W. Muller	Gustin-Bacon Mfg. Company
E. T. Plummer (Proxy for E. T. Johnson)	Union Asbestos & Rubber Co.
H. T. Williams	Owens-Corning Fiberglas Corp.

OTHERS PRESENT

F. T. Christenson, Treasurer	Refractory & Insulation Corp.
D. L. Hinmon	Johns-Manville Sales Corp.
M. I. Ruddock, Legal Counsel	Cadwalader, Wickersham & Taft
J. M. Barnhart	National Insulation Mfrs. Assn.

APPROVAL OF MINUTES

A motion was made, seconded and passed

That the Minutes of the Board of Directors Meeting of January 13, 1960, as bulletined by the Association office be approved.

TREASURER'S REPORT

The Association's Balance Sheet and Statement of Income and Expenditures as of April 15, 1960, were outlined.

The Treasurer's Report is attached to these Minutes and made part thereof.

It was asked that in the future a Comparison of Budget to Actual Expenditures be part of the Treasurer's Report.

STATISTICAL REPORTING ON A GEOGRAPHIC BASIS

Discussion on this subject revealed that the membership was desirous of receiving statistical reports on a geographic basis based on six regions, quarterly, including accumulated totals. The estimated cost of this work to NIMA, as received from Price Waterhouse & Company, will be approximately \$1,200. per year.

Mr. Barnhart is to contact Price Waterhouse & Company and ask them to start their report as soon as the six months figures are available from the member companies.

A map was exhibited showing the regions that were to be reported in. Several comments were made to the effect that the boundaries to the regions should be defined on a slightly different basis. Mr. Barnhart was asked to talk to Mr. F. W. Muller and redefine the areas. A map showing the regional areas that are to be reported in will be circulated to the Board of Directors.

SAFETY PROGRAM

It was the consensus that the establishment of a NIMA Safety Program with respect to health should be dropped.

APPOINTMENT OF A NOMINATING COMMITTEE

A Nominating Committee was appointed by President Luchs for the purpose of preparing a slate of candidates for Directors and Officers for nomination for these positions at the Annual Meeting. The Committee will consist of A. M. Ehret, Jr., Chairman, Mr. Frank Christenson and Mr. F. W. Muller.

PUBLICITY PROGRAM

Discussion on a program to adopt for distribution of the brochure prepared by Sumner Rider & Associates led to a motion being made by Mr. N. L. Barr, seconded by Mr. J. B. Jobe and passed

That in order to place the project on a self-liquidating basis a cost of \$0.35 per copy shall be charged to the individual companies ordering the brochure, \$0.10 of which shall be placed in the NIMA treasury to defray the expense of mailing the brochure to inquiries that are received by the Association headquarters.

TECHNICAL & RESEARCH COMMITTEE REPORT

Action on the report made by the Technical & Research Committee concerning requests made at a meeting in Washington, D. C., will be deferred to the next Board of Directors meeting.

OTHER BUSINESS

- (a) The Board of Directors authorized the following salaries for the NIMA staff, retroactive to January 1, 1950:

Mr. J. M. Barnhart - \$12,500.00 per year
(Increase of \$1,000.00)

Miss H. C. Lynch - \$5,800.00 per year
(Increase of \$300.00)

- (b) An air conditioning unit was authorized by the Board of Directors to be bought and installed for the NIMA headquarters. The cost of the installed unit and electrical work will be in the neighborhood of \$475.00.

OTHER BUSINESS (Cont'd.)

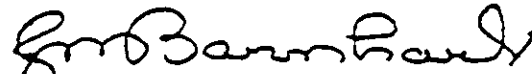
- (c) It was announced that the Annual Meeting will be held at the Seaview Country Club, Absecon, N. J., on October 10 and 11, 1960.

ADJOURNMENT

There being no further business, it was moved, seconded and passed

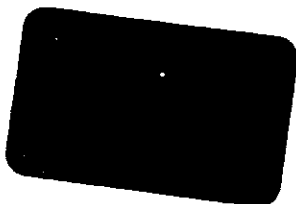
That the meeting be adjourned.

Respectfully submitted


J. M. Barnhart

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MINUTES
of the
BOARD OF DIRECTORS MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Chicago, Ill. April 14, 1964

The meeting was called to order at 2:15 P. M. by Chairman M. W. Burleson with the following in attendance:

DIRECTORS

M. W. Burleson, Chairman	Johns-Manville Sales Corp.
P. D. Kaley	Pittsburgh Plate Glass Company
Ike Keith	Forty-Eight Insulations, Inc.
V. L. Miller (Proxy for R. E. Buckley)	Pittsburgh Corning Corp.
F. W. Muller	Gustin-Bacon Mfg. Company
W. G. Neel	The Ruberoid Company
D. M. Nelson	Fibreboard Paper Products Corp.
M. M. Wilson	Baldwin-Ehret-Hill, Inc.
J. F. Vyverberg	✓ Owens-Corning Fiberglas Corp.

OTHERS PRESENT

J. H. Boynton	Owens-Corning Fiberglas Corp.
L. T. Choate	Baldwin-Ehret-Hill, Inc.
M. P. Crowther	Gustin-Bacon Mfg. Company
G. D. Reycraft	Cadwalder Wickersham & Taft
J. M. Earnhart	NIMA

APPROVAL OF MINUTES

A motion was made, seconded and passed

That the Minutes of the Board of Directors Meeting of October 8, 1963, as bulletined by the Association be approved.

ACCEPTANCE OF RESIGNATIONS

It was reported that letters of resignation had been received from Mundet Cork Corporation, M. H. Detrick Company and Keasbey & Mattison Company.

A motion was made, seconded and passed

That the resignations be accepted with regret.

TREASURER'S REPORT

Mr. W. G. Neel outlined the Association's Balance Sheet, Statement of Income and Expenditures, and Comparison of Actual Expense to Budget as of March 31, 1964.

A motion was made seconded and passed

That the Treasurer's Report be accepted and further

That the separate accounting pertaining to the sales of the Economic Thickness Manual be discontinued.

BROADENING OF MEMBERSHIP

The expansion of membership to include foamed plastic manufacturers was discussed.

A Committee consisting of Messrs. P. D. Kaley, Chairman, R. E. Buckley and H. B. Moreno was appointed for the purpose of making recommendations on the subject at the next scheduled Board of Directors Meeting.

AIMS AND OBJECTIVES OF MARKETING RESEARCH COMMITTEE

The future projects of the Marketing Research Committee, as outlined in the Committee Minutes of March 13, 1964, were discussed.

It was agreed that the following were reasonable and practical projects for the Committee to undertake:

1. Define existing statistical reporting product categories and products reported.
2. Work with the Bureau of Census, Department of Commerce, etc., to improve government statistical reporting

AIMS AND OBJECTIVES OF MARKETING RESEARCH COMMITTEE (cont'd.)

3. Attempt to ascertain the market potentials of competitive materials (foamed plastics, etc.) (with respect to the investigation of the broadening of the Association membership to encompass foamed plastic types of insulation, it was suggested that the Committee be informed of this fact and contact the special committee investigating this subject).
4. Follow up Mr. R. E. Buckley's letter pertaining to number of hours worked by union locals in 1963.

STATISTICAL REPORTING

It was reported that several companies were unable to report statistics on a state basis at this time and that Price Waterhouse & Company had been advised to continue statistics on the old basis for the present time (monthly and regional reports).

It was decided that 1963 statistics should not be compiled on a state basis inasmuch as this information is not readily available from the members.

Further, it was decided that it was not practical to establish separate reporting categories for "faced blanket" and "coated blanket", and that the single "faced and coated blanket" category be retained for statistical reporting purposes.

The establishment of a separate category for reporting "Prefabricated Duct Systems" was discussed. The glass manufacturers will be letter balloted on this subject prior to July 1, 1964.

NIMA CERTIFICATION PROGRAM

This subject was discussed in detail and it was decided that such a program would not be undertaken.

OTHER BUSINESS

1. Mr. Barnhart was asked to contact NFPA relative to membership on the Air Conditioning Committee.
2. The Duct Systems Committee is asked to present a survey of code changes that have been made that increase the use of prefabricated duct systems.

3. It was reported that the NIMA lease expires on April 31, 1964. It was agreed that the lease should be renewed for 3 years, providing any increase in rent that may be asked by the landlord will not exceed 10 percent. Mr. J. M. Barnhart will discuss the new lease with Mr. M. W. Burleson before signing.
4. It was agreed that the NIMA Annual Meeting would be held at the Seaview Country Club, Absecon, N. J., on October 5 and 6, 1964.
5. It was reported that Johns-Manville Sales Corp., was printing on cartons, crates, etc., containing asbestos products (calcium silicate, magnesia, asbestos cements) a note pertaining to the dust created by these materials. The wording will be as follows:

" Caution: This product contains asbestos fiber.

Inhalation of asbestos in excessive quantities over long periods of time may be harmful.

If dust is created when this product is handled, avoid breathing the dust.

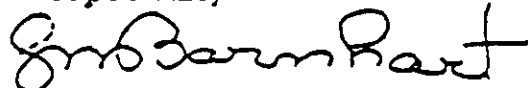
If adequate ventilation control is not possible wear respirators approved by the U. S. Bureau of Mines for pneumoconiosis producing dust. "

ADJOURNMENT

There being no further business

The meeting was adjourned.

Respectfully submitted

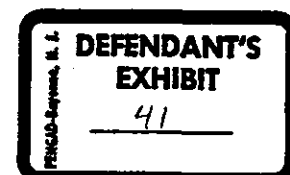

J. M. Barnhart

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OWENS-CORNING FIBERGLAS CORPORATION
PRIMARY GENERAL LIABILITY - PRODUCTS LIABILITY COVERAGE

<u>Policy Year</u>	<u>Policy Number</u>	<u>Products Liability Bodily Injury Policy Limits</u>		<u>Insurer</u>
		<u>Occurrence</u>	<u>Aggregate</u>	
9/1/42 - 9/1/43	31 LC 40	\$1,000,000	\$1,000,000	Aetna C30
9/1/43 - 9/1/44	31 AL 27	1,000,000	1,000,000	Aetna C30
9/1/44 - 9/1/45	31 AL 34	1,000,000	1,000,000	Aetna C30
9/1/45 - 9/1/46	31 AL 55 RR	1,000,000	1,000,000	Aetna C30
9/1/46 - 9/1/52	31 AL 84 RR/ 31 AL 126 RR	1,000,000	1,000,000	Aetna C30
9/1/52 - 9/1/53	31 AL 340 RR	1,000,000	1,000,000	Aetna C30
9/1/53 - 9/1/54	31 AL 341 RRY	1,000,000	1,000,000	Aetna C30
9/1/54 - 9/1/55	31 AL 343 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/55 - 9/1/56	31 AL 350 RRY	1,000,000	1,000,000	Aetna C30
9/1/56 - 9/1/57	31 AL 575 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/57 - 9/1/58	31 AL 579 RRY	1,000,000	1,000,000	Aetna C30
9/1/58 - 9/1/59	31 AL 989 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/59 - 9/1/60	31 AL 993 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/60 - 9/1/61	02 AL 11052 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/61 - 9/1/62	02 AL 11056 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/62 - 9/1/63	02 AL 13426 RRY	1,000,000	1,000,000	Aetna C30
* 9/1/63 - 9/1/64	02 AL 13432 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/64 - 9/1/65	02 AL 15805 SR (Y)	1,000,000	1,000,000	Aetna C30
9/1/65 - 9/1/66	02 AL 018710 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/66 - 9/1/67	02 AL 020095 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/67 - 9/1/68	02 AL 106187 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/68 - 9/1/69	02 AL 108363 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/69 - 9/1/70	02 AL 110044 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/70 - 9/1/71	02 AL 112067 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/71 - 9/1/72	02 AL 113640 SR (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/72 - 9/1/73	02 AL 115304 SRA (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/73 - 9/1/74	02 AL 116006 SRA (Y)	1,000,000	1,000,000	Aetna C30
* 9/1/74 - 9/1/75	02 AL 116023 SRA	1,000,000	1,000,000	Aetna C30
* 9/1/75 - 9/1/76	02 AL 116050 SRA	1,000,000	2,000,000	Aetna C30

(*) - OCF has copy of partial or complete policy



Policy Year	Policy Number	Products Liability Bodily Injury Policy Limits		Insurer
		Occurrence	Aggregate	
* 9/1/76 - 9/1/77	02 AL 116071 SRA	\$1,000,000	\$5,000,000	Aetna C3.
* 9/1/77 - 9/1/78	02 AL 211004 SCA	1,000,000	10,000,000	Aetna C3.
* 9/1/78 - 9/1/79	02 GL 7 SCA	1,000,000	10,000,000	Aetna C3.
* 9/1/79 - 9/1/80	65 AL 212532 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/80 - 9/1/81	65 AL 212541 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/81 - 9/1/82	65 AL 212548 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/82 - 9/1/83	65 AL 320006 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/83 - 9/1/84	65 AL 320016 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/84 - 9/1/85	65 AL 320022 SCA	1,000,000	2,000,000	Aetna C3.
* 9/1/85 - 9/1/86	65 AL 320031 SCA	2,500,000	7,500,000	Aetna C3.

THRU 9/1/79 - 80

NON-Products Coverage
SHOW LIMITS ONLY THRU
9/1/76-77

- Effective May 1, 1979 coverage for Asbestos Products Liability Claims have been excluded from coverage by Aetna C&S.

- Effective 9/1/79 coverage for Aviation Products Liability is insured under a separate policy.

(*) - OCF has copy of partial or complete policy

Policy Year	Policy Number	Products Liability Bodily Injury Policy Limits		Insurer
		Occurrence	Aggregate	
* 9/1/76 - 9/1/77	02 AL 116071 SRA	\$1,000,000	\$5,000,000	Aetna C3
* 9/1/77 - 9/1/78	02 AL 211004 SCA	1,000,000	10,000,000	Aetna C3
* 9/1/78 - 9/1/79	02 GL 7 SCA	1,000,000	10,000,000	Aetna C3
* 9/1/79 - 9/1/80	65 AL 212532 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/80 - 9/1/81	65 AL 212541 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/81 - 9/1/82	65 AL 212548 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/82 - 9/1/83	65 AL 320006 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/83 - 9/1/84	65 AL 320016 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/84 - 9/1/85	65 AL 320022 SCA	1,000,000	2,000,000	Aetna C3
* 9/1/85 - 9/1/86	65 AL 320031 SCA	2,500,000	7,500,000	Aetna C3

CGL since 9/1/77

		CGL LIMITS		
9/1/77-78	02 AL 116096 SRA	1,000,000	1,000,000	AETNA C
9/1/78-79	{ 02 AL 211021 SRA	1,000,000	NIL	AETNA
	{ 02 GL 1 SRA	1,000,000	NIL	AETNA
9/1/79-80	65 AL 212534 SRA	1,000,000	~~1,000,000~~ NIL	AETNA C
9/1/80-81	65 AL 212543 SRA	1,000,000	1,000,000	AETNA C
9/1/81-82	65 AL 212550 SRA	1,000,000	1,000,000	AETNA C
9/1/82-83	65 AL 320007 SRA	1,000,000	1,000,000	AETNA C
9/1/83-84	65 AL 320017 SRA	1,000,000	1,000,000	AETNA C
9/1/84-85	65 AL 320023 SCA	1,000,000	1,000,000	AETNA C
9/1/85-86	65 AL 320030 SCA	1,000,000	1,000,000	AETNA C

- Effective May 1, 1979 coverage for Asbestos Products Liability Claims have been excluded from coverage by Aetna C&S.

- Effective 9/1/79 coverage for Aviation Products Liability is insured under a separate policy.

(*) - OCF has copy of partial or complete policy

OWENS-CORNING FIBERGLAS CORPORATION - PRIMARY GENERAL AND PRODUCTS LIABILITY COVERAGE (AETNA CASUALTY & S.

		General Liability (Operations)				Products Liability			
Policy Period	Policy Number	Policy Limit		OCF Retention		Policy Limit		OCF Retention	
		Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate
9/1/55-56	31AL3508NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	10,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	10,000 CSL	100,000 BI 100,000 PB
9/1/56-57	31AL3758NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	10,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	10,000 CSL	100,000 BI 100,000 PB
9/1/57-58	31AL3798NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	10,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	10,000 CSL	100,000 BI 100,000 PB
9/1/58-59	31AL3998NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	10,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	10,000 CSL	100,000 BI 100,000 PB
9/1/59-60	31AL3938NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	10,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	10,000 CSL	100,000 BI 100,000 PB
9/1/60-61	02AL110528NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/61-62	02AL110548NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/62-63	02AL13428NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/63-64	02AL13432	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/64-65	02AL158058NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/65-66	02AL0187108NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/66-67	02AL0209958NY	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB

OWENS-CORNING FIBERGLAS CORPORATION - PRIMARY GENERAL AND PRODUCTS LIABILITY COVERAGE (AETNA CASUALTY & SURETY)

Policy Period	Policy Number	General Liability (Operations)				Products Liability			
		Policy Limit		OCF Retention		Policy Limit		OCF Retention	
		Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate
9/1/67-68	02AL10618758(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/68-69	02AL10636358(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/69-70	02AL11004458(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/70-71	02AL11206758(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	- 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/71-72	02AL11340558(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/72-73	02AL11530458(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/73-74	02AL11600558(V)	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/74-75	02AL11602358A	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB	1,000,000 BI 1,000,000 PB	1,000,000 BI 1,000,000 PB	15,000 CSL	100,000 BI 100,000 PB
9/1/75-76	02AL11605058A	1,000,000 BI 1,000,000 PB	- 2,000,000 PB	20,000 CSL	- 200,000 PB	1,000,000 BI 1,000,000 PB	2,000,000 BI 2,000,000 PB	50,000 CSL	750,000 BI 750,000 PB
9/1/76-77	02AL11607158A	1,000,000 BI 1,000,000 PB	- 5,000,000 PB	100,000 CSL	- 5,000,000 PB	1,000,000 BI 1,000,000 PB	5,000,000 BI 5,000,000 PB	100,000 CSL	5,000,000 BI 5,000,000 PB
9/1/77-78	02AL11609658A	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	500,000 CSL	- 1,000,000 PB	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	-	-

OWENS-CORNING FIBERGLAS CORPORATION - PRIMARY GENERAL AND PRODUCTS LIABILITY COVERAGE (AETNA CASUALTY & SURETY)

Policy Period	Policy Number	General Liability (Operations)				Products Liability			
		Policy Limit		OCF Retention		Policy Limit		OCF Retention	
		Accurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate
9/1/77-78	02AL211004SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	10,000,000 CSL	500,000 CSL	10,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/78-79	02AL198A								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	10,000,000 CSL	500,000 CSL	10,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/79-80	02AL211021SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	10,000,000 CSL	500,000 CSL	10,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/78-79	02AL7SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	10,000,000 CSL	500,000 CSL	10,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/79-80	ASAL212534SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/79-80	ASAL212532SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/80-81	ASAL212543SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/80-81	ASAL212541SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/81-82	ASAL212550SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/81-82	ASAL212548SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/82-83	ASAL370006SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			
9/1/82-83	ASAL370004SCA								
		1,000,000 BI	-	500,000 CSL	-	1,000,000 BI	2,000,000 CSL	500,000 CSL	2,000,000 CSL
		1,000,000 PB	1,000,000 PB		1,000,000 PB	1,000,000 PB			

OWENS-CORNING FIBERGLAS CORPORATION - PRIMARY GENERAL AND PRODUCTS LIABILITY COVERAGE (AETNA CASUALTY & SURETY)

Policy Period	Policy Number	General Liability (Operations)				Products Liability			
		Policy Limit		OCF Retention		Policy Limit		OCF Retention	
		Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate	Occurrence	Aggregate
9/1/83-84	ASAL3200175DA	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	500,000 CSL	- 1,000,000 PB				
9/1/83-84	ASAL3200185CA					1,000,000 BI 1,000,000 PB	2,000,000 CSL	500,000 CSL	2,000,000 CSL
9/1/84-85	ASAL3200235CA	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	500,000 CSL	2,250,000 CSL				
9/1/84-85	ASAL3200225CA					1,000,000 BI 1,000,000 PB	2,000,000 CSL	500,000 CSL	2,000,000 CSL
9/1/85-86	ASAL3200305CA	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	500,000 CSL	3,250,000 CSL				
9/1/85-86	ASAL3200315CA					2,500,000 CSL	7,500,000 CSL	2,000,000 CSL	7,500,000 CSL
9/1/86-87	ASAL3200305CA	1,000,000 BI 1,000,000 PB	- 1,000,000 PB	750,000 CSL	3,500,000 CSL				
9/1/86-87	ASAL3200395CA					2,500,000 CSL	7,500,000 CSL	2,000,000 CSL	7,500,000 CSL

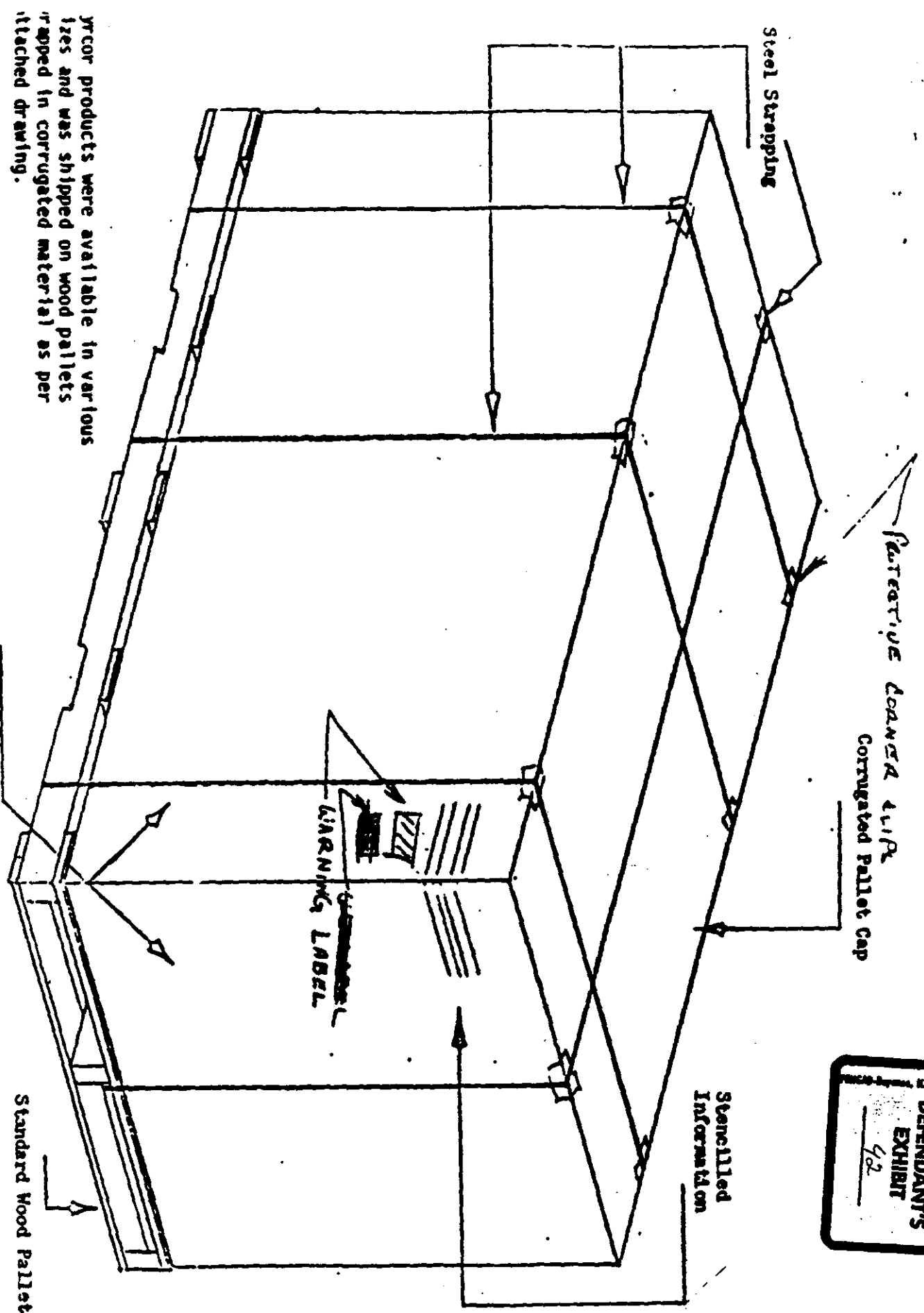
a - Combined Aggregate for General and Products

BI - Bodily Injury

PB - Property Damage

CSL - Combined Single Limit (includes both BI & PB)

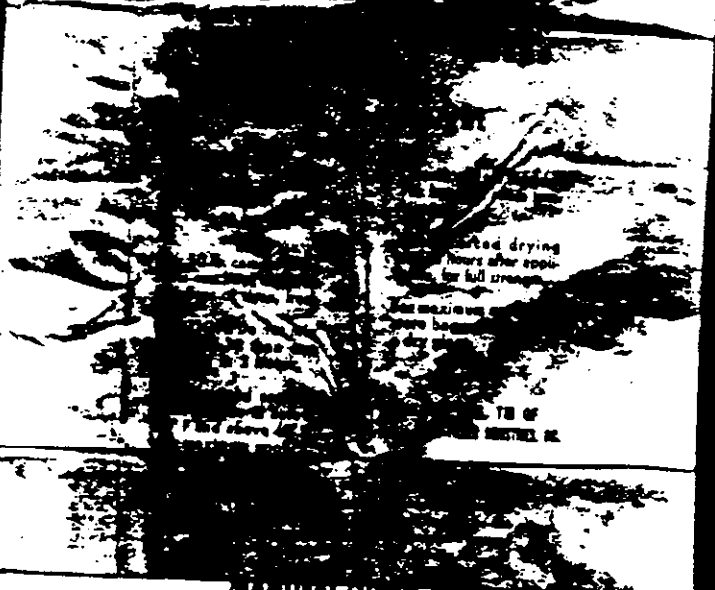
DEFENDANT'S
EXHIBIT
42





DEFENDANT'S
EXHIBIT
43

OWENS-CORNING
FIBERGLAS
FIBERGLAS, INC.



MANUFACTURED BY
EAGLE-PICHER INDUSTRIES, INC.
CINCINNATI, OHIO

OWENS-CORNING
FIBERGLAS

SC40

FIBERGLAS

OWENS-CORNING
FIBERGLAS



MANUFACTURED BY
EAGLE-PICHER INDUSTRIES, INC.
CINCINNATI, OHIO

OWENS-CORNING
FIBERGLAS
KAYLO-10
1200° F.

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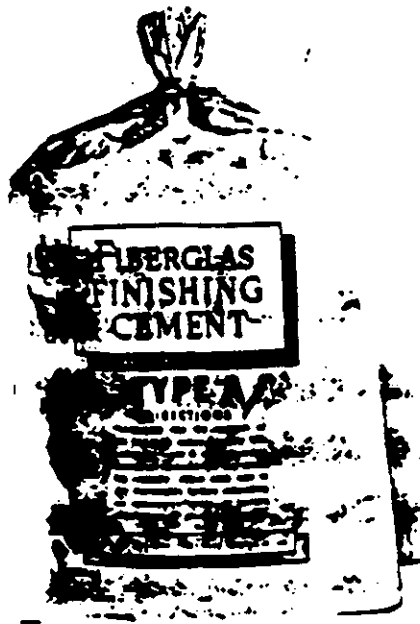
OWENS-CORNING
FIBERGLAS

Kaylo-10
1200° F.

DEFENDANT'S
EXHIBIT

44

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DEFENDANT'S
EXHIBIT
45



United States Patent Office

858,167
Registered Oct. 8, 1968

PRINCIPAL REGISTER Trademark

Ser. No. 266,778, filed Mar. 15, 1967

KAYLO

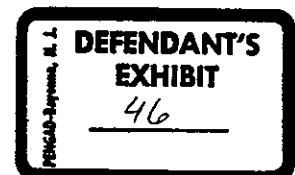
Owens-Corning Fiberglas Corporation (Delaware corporation)
608 Madison Ave.
Toledo, Ohio 43601

For: THERMAL AND SOUND INSULATING AND BUILDING MATERIALS USED FOR STRUCTURAL PURPOSES, FIREPROOFING AND FIRE PROTECTION. SUCH MATERIAL CONSISTING OF CALCIUM SILICATE WITH OR WITHOUT REINFORCING MATERIALS, AND COMPRISING INSULATING BOARDS, INSULATING BUILDING BLOCKS, PIPE COVERING, AND ROOFING TILE, in CLASS 12 (INT. CLS. 17 and 19).

First use Oct. 12, 1943; in commerce Oct. 12, 1943.

THIS REGISTRATION NO. 858,167 IS A REFILING
OF REGISTRATION NO. 721,786.

We missed 6/18/66 renewal date & refiled.



Registered June 18, 1946

Trade-Mark 421,786

UNITED STATES PATENT OFFICE

Owens-Illinois Glass Company, Toledo, Ohio

Act of February 20, 1905

Application September 17, 1945, Serial No. 433,610

KAYLO

STATEMENT

To the Commissioner of Patents:

Owens-Illinois Glass Company, a corporation duly organized under the laws of the State of Ohio and having its principal place of business in the Ohio Building, 405 Madison Avenue, Toledo, Ohio, has adopted and used the trade-mark shown in the accompanying drawing, for THERMAL AND SOUND INSULATING AND BUILDING MATERIALS, USED FOR STRUCTURAL PURPOSES, FIREPROOFING AND FIRE PROTECTION, SUCH MATERIAL CONSISTING OF CALCIUM SILICATE WITH OR WITHOUT REINFORCING MATERIALS, AND COMPRISING INSULATING BOARDS, INSULATING BUILDING BLOCKS, PIPE COVERING, AND ROOFING TILE, in Class 12, Construction materials, and presents herewith five specimens showing the trade-mark as actually used by the applicant upon the goods, and requests that the same be registered in the United States Patent Office in accordance with the act of February 20, 1905.

The trade-mark was used by applicant and applied to the said goods on or about October 12, 1943, and has been continuously used and applied to said goods in applicant's business since that date.

The trade-mark is applied to the containers in which the goods are packed and shipped, by printing or stencilling the mark thereon.

Said Owens-Illinois Glass Company hereby appoints Rule & Hoge (registry No. 14,124), P. O. Box 1035, Toledo, Ohio, (a firm composed of John F. Rule and J. Ralph Hoge), its attorneys, to prosecute this application for registration, with full power of substitution and revocation, to make alterations and amendments therein, to receive the certificate and to transact all business in the Patent Office connected therewith.

OWENS-ILLINOIS GLASS COMPANY,
By CARL R. MEGOWEN,
Vice-President.

ASSIGNMENT

WHEREAS, OWENS-ILLINOIS GLASS COMPANY, a corporation of Ohio, has on April 30, 1958 transferred to OWENS-CORNING FIBERGLAS CORPORATION, a corporation of Delaware, all of its right, title and interest in its facilities for the manufacture of certain hydrous calcium silicate products sold under the registered marks "Kayle" or "Kayle 20," including real and personal property, and inventories, and said trademarks, and

WHEREAS, OWENS-CORNING FIBERGLAS CORPORATION is desirous of recording title to the registrations of the said trademarks;

NOW, THEREFORE, OWENS-ILLINOIS GLASS COMPANY hereby sells, assigns and transfers unto OWENS-CORNING FIBERGLAS CORPORATION the entire right, title and interest in and to the following registered marks, together with the right to obtain renewals of such registrations:

<u>Trademark</u>	<u>Registration No.</u>	<u>Date</u>
"Kayle"	United States 421,786	4/28/56
"Kayle"	United States 563,443	8/24/58
"Kayle 20"	United States 639,220	1/2/57
"Kayle"	Great Britain 760,867	12/31/56
"Kayle"	Great Britain 760,868	12/31/56

WITNESSED this 9th day of May, 1958.

OWENS-ILLINOIS GLASS COMPANY

ATTEST:

by Carl A. McGowan, President

W. A. Schleich, Assistant Secretary

STATE OF OHIO)
) SS:
COUNTY OF LUCAS)

On this 9th day of May, 1958, before me a Notary Public, personally appeared the above-named Carl A. McGowan, to me known, who being by me duly sworn, did depose and say that he is President of Owens-Illinois Glass Company, the party described in, and which executed the above assignment, and that he asserted the same for and in behalf of the said corporation.

Notary Public

Fibreboard

Paper Products Corporation
475 GRANNAN STREET
SAN FRANCISCO 10

March 1, 1950

Owens-Corning Fiberglas Corporation
P. O. Box 63
Santa Clara, California

Re: Agreement for Manufacture and Sale of Private Brand "Kaylo" Insulation Products

Gentlemen:

We agree to manufacture and sell to you, and you agree to purchase from us, the products herein described at the prices and upon the terms and conditions herein set forth:

1. Term

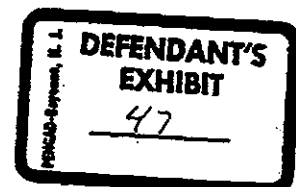
The term of this agreement shall commence on August 1, 1950 and shall continue in effect until terminated by either party at any time upon at least six months' prior written notice to the other.

2. Products

The products to be manufactured and sold hereunder shall be calcium-silicate pipe coverings, blocks and cements, as regularly marketed by you under your brand "Kaylo" at the date hereof, excluding your "Kaylo 30" product. Such products shall comply with the specifications set forth in Exhibit A attached hereto.

3. Quantities

The quantities of the products to be manufactured and sold hereunder shall be your requirements thereof for sale and/or installation in the thirteen Western States, including Hawaii and Alaska (but not including, except at your option, direct Government sales), subject to the limitations hereinafter set forth.



4. Prices

The prices to be paid by you to us for the products manufactured and sold hereunder, until revised as hereinafter provided, shall be the prices set forth in Exhibit B attached hereto, less 12%. We shall have the right to revise said prices or any of them from time to time upon at least 30 days' prior written notice to you and such revised prices shall, subject to the provisions of Paragraph 5 below, apply to all deliveries made after the effective date specified in such notice, until again revised in like manner; provided that in no event shall any such price, as revised, exceed our regular net price for our most comparable "Caltemp" products sold by us to our distributor-contractors in the same area, less 12%.

5. Price Protection

If all of the following conditions shall apply:

- (a) Not later than the expiration of 30 days after the effective date of a price increase specified in a notice given under Paragraph 4 above, you shall have entered into a valid and binding contract to furnish and install any products covered by this agreement, the bid or proposal for which contract was given by you prior to receipt of the notice of price increase; and
- (b) Not later than the expiration of such 30-day period you shall have submitted to us an order for any of the products covered by such contract, and the time of shipment, determined under Paragraph 7 below, shall be within 6 months after the effective date specified in such notice of price increase; and
- (c) Actual shipment of such products shall not have been delayed beyond such 6-month period by any action of yours;

then such products covered by any such order shall, except to any extent you may be protected by any escalation provision in your said contract, be paid for by you at the prices in effect hereunder at the time such notice of price increase was given.

6. Conditions of Sale

Seller's regular conditions of sale in effect at the time of each delivery shall be applicable to such delivery. A copy of such regular conditions of sale as now in effect is attached hereto as Exhibit C and made a part hereof.

7. Time of Shipment

The time within which the products covered by any order from you shall be shipped to you shall in each case be the time we shall designate in the exercise of a reasonable discretion giving due regard to our inventories, manufacturing schedules and the needs of you and our other customers. If in any case you shall, in the exercise of a reasonable discretion, determine that such period will not meet your requirements, then you shall promptly so notify us and, as to the quantities of the products covered by such order, each of us shall be free from our respective obligations under this agreement.

8. Minimum Purchase Requirement

If in any period of six consecutive calendar months during the term of this agreement the invoice value of the products purchased by you shall aggregate less than \$150,000 then we shall have the right to terminate this agreement by notice given to you at any time during the calendar month next succeeding said 6-month period, effective upon the date specified therein which shall not be earlier than 60 days after the date such notice is given.

9. Packaging

Products to be manufactured and sold hereunder shall be packaged by us in the sizes and kinds of cartons at the time used by us for the packaging of our comparable Caltemp products. The cartons shall be printed in such manner as you may from time to time designate, provided that the costs thereof are no greater than the costs of duplicating the format presently used by you on your "Kaylo" cartons.

10. Purchase of Inventory on Termination

Upon any termination of this agreement, you shall be obligated forthwith to purchase and pay for "Kaylo" calcium-silicate products (at the price in effect hereunder at termination) and "Kaylo" printed cartons (at our regular price in effect at termination) in our inventory upon the effective date of the termination, up to but not exceeding an aggregate value of \$100,000. You shall take delivery of the same within 60 days after such effective date.

11. Default

If either party shall fail to perform any of the provisions hereof to be kept and performed by it and such failure shall continue for a period of 20 days after notice thereof by the other party, or if any proceedings under any

state or federal insolvency or bankruptcy law be filed by or against a party, or if a party shall make an assignment for the benefit of creditors, or if a receiver of its properties shall be appointed, then and in any such event the other party shall have the right to terminate this agreement by written notice.

12. Notices

Notices hereunder shall be sufficiently given if personally delivered or if deposited in the mail in a stamped envelope properly addressed:

If to you -

Owens-Corning Fiberglas Corporation
P. O. Box 89
Santa Clara, California

If to us -

Fibreboard Paper Products Corporation
475 Brannan Street
San Francisco 19, California;

or to such other address as either of us shall hereafter designate by written notice to the other.

13. Non-Assignability

This agreement shall not be assignable by either party without the prior written consent of the other, except in connection with a merger, consolidation or other corporate reorganization of a party (including for purposes hereof the sale of assets of the industrial insulation division of a party); provided that, in the event of any such corporate reorganization, either party shall have the right at its option by written notice to the other to terminate this agreement, effective upon the completion of such corporate reorganization.

If this letter correctly sets forth the terms of our agreement, please so indicate by endorsing the carbon copy of this letter in the space provided and return the same to us.

Very truly yours,
FIBREBOARD PAPER PRODUCTS CORPORATION

By

E. W. Coney

VICE PRESIDENT

Accepted and agreed to at
Santa Clara, California, this
day of _____, 1960.
OWENS-CORNING FIBERGLAS CORPORATION

Part 1 - A

Physical Properties and Mechanical Properties

Modulus of Elasticity (lb. per sq. in.)	1
Tensile Strength (lb. per sq. in.)	50
Compressive Strength (lb. per sq. in.)	
Before heating (lb. per sq. in.)	150
After heating for 24 hrs.	
(wet, lb. per sq. in.)	74
Dimensional Stability (linear shrinkage after heating for 24 hrs. @ 1200° F.)	1.4
Thermal Conductivity (Btu-in./sq. ft. in. hr.)	
at 100° F.	33
200°	37
400°	40.5
600°	46.5
800°	50.5
1000°	56.5
1200°	61.5

"Exhibit B"

**PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California**

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**PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California**

CARLOAD DEFINITION

For shipping and pricing purposes, a carload is defined as one shipment consisting of one or more items having a value of \$5000.00 or more.

PRICING PROCEDURE

Invoices shall be priced in accordance with prices applicable to the area where the material is actually shipped.

Prices indicated are for Pipe Covering and Blocks in full 3-foot lengths only, and Cement in 50 lb. bags only.

Multiple layer pipe covering, cemented or uncemented, is priced as one unit for pipe size and nominal thickness involved.

Tubing Pipe Covering is priced the same as for equivalent Standard Iron Pipe sizes.

On all Pipe Covering and Blocks, next higher listed thickness or width will be used for sizes not shown.

ACCESSORIES - EXTRA CHARGES

All sectional pipe covering will be furnished without canvas. Standard canvas will be supplied without charge for 10" pipe size and smaller only when requested. Canvas on sectional pipe covering for 11" pipe size and larger will be furnished only when requested, and an extra charge will be added, as shown on Price Exhibit for Accessories.

There will be an additional charge for all sectional pipe covering supplied with extra weight canvas and/or weatherproof jackets, as shown on Price Exhibit for Accessories.

Apply extra charges for accessories to the pipe size and over-all nominal thickness.

**FABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California**

Denver, Colorado Area

AREA DEFINITION

Colorado - All counties except:

Alamosa	Eagle	Mass	Pitkin
Archuleta	Garfield	Mineral	Rio Blanco
Chaffee	Gunnison	Moffatt	Rio Grande
Conjoe	Hinsdale	Montezuma	Routt
Delta	Lake	Montrose	Saguache
Dolores	La Plata	Ouray	San Juan
			San Miguel

Wyoming - All counties except:

Big Horn	Lincoln	Sweetwater	Washakie
Fremont	Park	Teton	Yellowstone National Park
Hot Springs	Sublette	Uinta	

PARCO INDUSTRIAL INSULATIONS DIVISION
of
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San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

AREA DEFINITION

ENTIRE STATES OF:

Arizona

Colorado - Following counties ONLY:

Alamosa
Archuleta
Chaffee
Conejos
Delta
Dolores

Eagle
Garfield
Gunnison
Hinsdale
Lake
La Plata

Mesa
Mineral
Moffatt
Montezuma
Montrose
Ouray

Pitkin
Rio Blanco
Rio Grande
Routt
Saguache
San Juan
San Miguel

California

Idaho

Montana

Nevada

New Mexico

Oregon

Utah

Washington

Wyoming - Following counties ONLY:

Big Horn
Fremont
Hot Springs

Lincoln
Park
Sublette

Sweetwater
Teton
Uinta

Washakie
Yellowstone National Park

Hawaii

**FABCO INDUSTRIAL INSULATIONS DIVISION
OF
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California**

Alaska

AREA DEFINITION

Anchorage Area includes Anchorage, Elmendorf and Ft. Richardson.

**Anchorage Area prices will also apply as F.O.B. dock prices
at Ketchikan, Juneau, and Sitka.**

Fairbanks Area includes Fairbanks, Eielson AFB and Ladd Field.

**PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California**

FREIGHT ALLOWANCES

Pacific Coast, Intermountain and Denver, Colorado Areas

**CL - F.O.B. Mill, Emeryville, California, with full carload rail freight allowed to the railroad destination.
Charges for cars stopped in transit will be for the buyer's account.**

LCL - F.O.B. Mill, Emeryville, California, actual freight allowed not to exceed lowest published rail rate for quantity involved.

Hawaii

CL and LCL - F.A.S. San Francisco Bay ports.

Alaska

CL and LCL - F.A.S. San Francisco, freight allowed at minimum carload rail and water rate to area involved.

PARCO INDUSTRIAL INSULATION DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Denver, Colorado Area

PRICE EXHIBIT

SECTIONAL

me: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Size	Nom. 1" Thk.		Nom. 1½" Thk.		Nom. 2" Thk.		Nom. 2½" Thk.		Nom. 3" Thk.		Nom. 3½" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
1/2	.209	.237	.437	.496	.712	.81	.95	1.08	1.14	1.29	1.47	1.67
1/4	.228	.259	.465	.529	.76	.864	.977	1.13	1.28	1.45	1.66	1.89
	.256	.291	.494	.561	.807	.918	1.04	1.18	1.33	1.51	1.71	1.94
-1/4	.285	.324	.532	.604	.855	.972	1.09	1.24	1.37	1.56	1.85	2.10
-1/2	.313	.356	.57	.648	.902	1.02	1.14	1.29	1.47	1.67	1.90	2.16
1/2	.342	.388	.608	.691	.95	1.08	1.18	1.35	1.56	1.78	1.99	2.26
	.38	.432	.665	.756	.997	1.13	1.28	1.45	1.66	1.89	2.13	2.43
	.427	.486	.722	.82	1.09	1.24	1.42	1.62	1.80	2.05	2.23	2.53
1/2	.475	.54	.779	.885	1.18	1.35	1.56	1.78	1.94	2.21	2.47	2.80
	.57	.648	.836	.95	1.28	1.45	1.71	1.94	2.09	2.37	2.56	2.91
1/2	.617	.702	.893	1.01	1.37	1.56	1.85	2.10	2.23	2.53	2.80	3.18
	.665	.756	.95	1.08	1.47	1.67	1.99	2.26	2.37	2.70	2.85	3.24
	.76	.864	1.04	1.18	1.61	1.83	2.13	2.43	2.56	2.91	3.13	3.56
			1.14	1.29	1.75	1.99	2.28	2.59	2.75	3.13	3.42	3.88
			1.28	1.45	1.90	2.16	2.42	2.75	2.99	3.40	3.65	4.15
			1.42	1.62	2.09	2.37	2.66	3.02	3.23	3.67	3.99	4.53
			1.56	1.78	2.28	2.59	2.89	3.29	3.46	3.94	4.41	5.02
			1.66	1.89	2.42	2.75	3.04	3.45	3.70	4.21	4.65	5.29
			1.75	1.99	2.56	2.91	3.23	3.67	3.89	4.42	4.89	5.56
			1.99	2.26	2.85	3.24	3.61	4.10	4.37	4.96	5.27	5.99
			2.13	2.43	2.99	3.40	3.80	4.32	4.60	5.23	5.55	6.31
			2.23	2.53	3.13	3.56	3.99	4.53	4.84	5.50	5.84	6.64
			2.37	2.70	3.27	3.72	4.18	4.75	5.08	5.77	6.12	6.96
			2.47	2.80	3.42	3.88	4.37	4.96	5.32	6.04	6.36	7.23
			2.61	2.97	3.61	4.10	4.56	5.18	5.51	6.26	6.65	7.56

Prices subject to change without notice.

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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Denver, Colorado Area

SECTIONAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Pipe Size	Nom. 4" Thk.		Nom. 4½" Thk.		Nom. 5" Thk.		Nom. 5½" Thk.		Nom. 6" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
1/2	1.85	2.10	2.28	2.59	2.75	3.13	3.27	3.72	3.84	4.37
3/4	2.04	2.32	2.42	2.75	2.94	3.34	3.46	3.94	3.99	4.53
1	2.09	2.37	2.47	2.80	2.99	3.40	3.51	3.99	4.03	4.59
1-1/4	2.23	2.53	2.66	3.02	3.27	3.72	3.80	4.32	4.22	4.80
1-1/2	2.28	2.59	2.73	3.13	3.32	3.78	3.84	4.37	4.41	5.02
2	2.32	2.64	2.85	3.24	3.42	3.88	3.89	4.42	4.51	5.13
2-1/2	2.56	2.91	3.08	3.51	3.70	4.21	4.22	4.80	4.84	5.50
3	2.70	3.07	3.23	3.67	3.80	4.32	4.37	4.96	4.98	5.67
3-1/2	2.99	3.40	3.51	3.99	4.13	4.69	4.75	5.40	5.36	6.10
4	3.13	3.56	3.61	4.10	4.22	4.80	4.84	5.50	5.46	6.21
4-1/2	3.32	3.78	3.89	4.42	4.56	5.18	5.22	5.94	5.89	6.69
5	3.37	3.83	3.94	4.48	4.60	5.23	5.27	5.99	5.93	6.75
6	3.70	4.21	4.27	4.86	5.03	5.72	5.70	6.48	6.36	7.23
7	4.03	4.59	4.60	5.23	5.46	6.21	6.17	7.02	6.98	7.93
8	4.32	4.91	4.98	5.67	5.79	6.58	6.69	7.61	7.45	8.47
9	4.65	5.29	5.32	6.04	6.31	7.18	7.12	8.10	7.93	9.01
10	5.13	5.83	5.84	6.64	6.74	7.66	7.64	8.69	8.55	9.72
11	5.41	6.15	6.17	7.02	7.12	8.10	8.07	9.18	9.02	10.26
12	5.70	6.48	6.50	7.39	7.50	8.53	8.45	9.61	9.40	10.69
14	6.17	7.02	7.07	8.04	8.12	9.23	9.12	10.36	10.07	11.44
16	6.50	7.39	7.45	8.47	8.50	9.60	9.50	10.80	10.54	11.98
18	6.79	7.72	7.74	8.80	8.83	10.04	9.92	11.28	11.02	12.52
20	7.12	8.10	8.07	9.18	9.21	10.47	10.35	11.77	11.44	13.01
22	7.41	8.42	8.40	9.55	9.59	10.90	10.78	12.25	11.87	13.50
24	7.69	8.74	8.78	9.99	10.02	11.39	11.16	12.69	12.35	14.04

Prices subject to change without notice.

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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Denver Colorado Area

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Pipe Size	Nom. 1 1/2" Thk.		Nom. 2" Thk.		Nom. 2 1/2" Thk.		Nom. 3" Thk.		Nom. 3 1/2" Thk.		Nom. 4" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
8	1.17	1.36	1.74	2.02	2.21	2.57	2.74	3.18	3.34	3.88	3.95	4.59
9	1.30	1.51	1.91	2.22	2.43	2.82	2.95	3.43	3.65	4.24	4.26	4.94
10	1.43	1.66	2.08	2.42	2.65	3.08	3.17	3.68	4.04	4.69	4.69	5.45
11	1.52	1.76	2.21	2.57	2.78	3.23	3.39	3.93	4.26	4.94	4.95	5.75
12	1.60	1.86	2.34	2.72	2.95	3.43	3.56	4.14	4.48	5.20	5.22	6.06
14	1.82	2.12	2.61	3.03	3.30	3.83	4.00	4.64	4.82	5.60	5.65	6.56
15	1.95	2.27	2.78	3.18	3.48	4.04	4.21	4.89	5.08	5.90	5.95	6.91
16	2.04	2.37	2.87	3.33	3.65	4.24	4.43	5.15	5.35	6.21	6.22	7.22
17	2.17	2.52	3.00	3.48	3.82	4.44	4.65	5.40	5.61	6.51	6.52	7.57
18	2.26	2.62	3.13	3.63	4.00	4.64	4.87	5.65	5.82	6.76	6.78	7.87
19	2.39	2.77	3.30	3.83	4.17	4.84	5.04	5.85	6.09	7.07	7.04	8.18
20	2.47	2.87	3.48	4.04	4.35	5.05	5.22	6.06	6.30	7.32	7.35	8.53
21	2.61	3.03	3.61	4.19	4.52	5.25	5.43	6.31	6.52	7.57	7.61	8.83
22	2.69	3.13	3.74	4.34	4.69	5.45	5.65	6.56	6.82	7.92	7.87	9.14
23	2.78	3.23	3.82	4.44	4.87	5.65	5.87	6.81	7.00	8.13	8.13	9.44
24	2.87	3.33	3.91	4.54	5.00	5.80	6.09	7.07	7.17	8.33	8.39	9.74
26	3.08	3.58	4.21	4.98	5.39	6.26	6.52	7.57	7.69	8.93	9.00	10.45
27	3.17	3.68	4.39	5.10	5.56	6.46	6.69	7.77	7.96	9.24	9.22	10.70
28	3.26	3.78	4.48	5.20	5.78	6.71	6.91	8.02	8.22	9.54	9.61	11.16
30	3.48	4.04	4.78	5.55	6.04	7.01	7.30	8.48	8.70	10.10	10.04	11.66
32	3.74	4.34	5.13	5.95	6.43	7.47	7.91	9.19	9.13	10.60	10.52	12.22
33	3.82	4.44	5.26	6.11	6.61	7.67	8.00	9.29	9.30	10.80	10.83	12.57

Prices subject to change without notice

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PARCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Denver, Colorado Area

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Pipe Size	Nom. 4" Thk.		Nom. 5" Thk.		Nom. 5 1/2" Thk.		Nom. 6" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL
8	4.56	5.30	5.30	6.16	6.13	7.12	6.82	7.92
9	4.87	5.65	5.78	6.71	6.52	7.57	7.26	8.43
10	5.35	6.21	6.17	7.17	7.00	8.13	7.83	9.09
11	5.65	6.56	6.52	7.57	7.39	8.58	8.26	9.59
12	5.95	6.91	6.87	7.97	7.74	8.98	8.61	9.99
14	6.48	7.52	7.43	8.63	8.35	9.69	9.22	10.70
15	6.82	7.92	7.78	9.03	8.70	10.10	9.65	11.21
16	7.09	8.23	8.09	9.39	9.09	10.55	10.09	11.71
17	7.39	8.58	8.43	9.79	9.48	11.00	10.48	12.17
18	7.69	8.93	8.78	10.20	9.87	11.48	10.87	12.62
19	8.04	9.34	9.17	10.65	10.22	11.86	11.31	13.13
20	8.30	9.64	9.43	10.95	10.61	12.32	11.74	13.63
21	8.61	9.99	9.78	11.36	11.00	12.77	12.09	14.03
22	8.91	10.35	10.13	11.76	11.35	13.18	12.57	14.59
23	9.30	10.80	10.48	12.17	11.78	13.68	13.05	15.15
24	9.57	11.11	10.83	12.57	12.09	14.03	13.35	15.50
26	10.26	11.91	11.52	13.38	12.91	14.99	14.26	16.56
27	10.48	12.17	11.87	13.78	13.22	15.35	14.48	16.81
28	10.83	12.57	12.22	14.19	13.60	15.80	14.92	17.32
30	11.31	13.13	12.78	14.84	14.26	16.56	15.61	18.12
32	12.04	13.98	13.44	15.60	14.92	17.32	16.53	19.19
33	12.13	14.08	13.70	15.90	15.31	17.77	16.74	19.44

Prices subject to change without notice.

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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Denver, Colorado Area

PRICE EXHIBIT

BLOCKS

Terms: 1% 20th Proximo - Net 30th Proximo

<u>Thickness</u> <u>Inches</u>	<u>Price per Square Foot</u>	
	<u>CL</u>	<u>LCL</u>
1	.249	.291
1-1/4	.315	.368
1-1/2	.373	.436
1-3/4	.439	.514
2	.498	.582
2-1/4	.564	.659
2-1/2	.622	.727
2-3/4	.688	.805
3	.747	.873
3-1/2	.871	1.01
4	.996	1.16

CEMENT

Price per 50# Bag

<u>CL</u>	<u>LCL</u>
3.40	3.50

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 10

PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

SECTIONAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Pipe Size	Nom. 1" Thk.		Nom. 1 1/4" Thk.		Nom. 2" Thk.		Nom. 2 1/4" Thk.		Nom. 3" Thk.		Nom. 3 1/4" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
1/2	.215	.237	.45	.496	.735	.81	.98	1.08	1.17	1.29	1.51	1.67
3/4	.235	.259	.48	.529	.784	.864	1.02	1.13	1.32	1.45	1.71	1.89
1	.264	.291	.509	.561	.833	.918	1.07	1.18	1.37	1.51	1.76	1.94
1-1/4	.294	.324	.548	.604	.882	.972	1.12	1.24	1.42	1.56	1.91	2.10
1-1/2	.323	.356	.588	.648	.931	1.02	1.17	1.29	1.51	1.67	1.96	2.16
2	.352	.388	.627	.691	.98	1.08	1.22	1.35	1.61	1.78	2.05	2.26
2-1/2	.392	.432	.686	.756	1.02	1.13	1.32	1.45	1.71	1.89	2.20	2.43
3	.441	.486	.744	.82	1.12	1.24	1.47	1.62	1.86	2.05	2.30	2.53
3-1/2	.49	.54	.803	.885	1.22	1.35	1.61	1.78	2.00	2.21	2.54	2.80
4	.588	.648	.862	.95	1.32	1.45	1.76	1.94	2.15	2.37	2.64	2.91
4-1/2	.637	.702	.921	1.01	1.42	1.56	1.91	2.10	2.30	2.53	2.89	3.18
5	.686	.756	.98	1.08	1.51	1.67	2.05	2.26	2.45	2.70	2.94	3.24
6	.784	.864	1.07	1.18	1.66	1.83	2.20	2.43	2.64	2.91	3.23	3.56
7			1.17	1.29	1.81	1.99	2.35	2.59	2.84	3.13	3.52	3.88
8			1.32	1.45	1.96	2.16	2.49	2.75	3.08	3.40	3.77	4.15
9			1.47	1.62	2.15	2.37	2.74	3.02	3.33	3.67	4.11	4.53
10			1.61	1.78	2.35	2.59	2.98	3.29	3.57	3.94	4.55	5.02
11			1.71	1.89	2.49	2.75	3.13	3.45	3.82	4.21	4.80	5.29
12			1.81	1.99	2.64	2.91	3.33	3.67	4.01	4.42	5.04	5.56
13			2.05	2.26	2.94	3.24	3.72	4.10	4.50	4.96	5.43	5.99
14			2.20	2.43	3.08	3.40	3.92	4.32	4.75	5.23	5.73	6.31
15			2.30	2.53	3.23	3.56	4.11	4.53	4.99	5.50	6.02	6.64
16			2.45	2.70	3.38	3.72	4.31	4.75	5.24	5.77	6.32	6.96
17			2.54	2.80	3.52	3.88	4.50	4.96	5.48	6.04	6.56	7.23
18			2.69	2.97	3.72	4.10	4.70	5.18	5.68	6.26	6.86	7.56

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 11

PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

SECTIONAL

at 12 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Size	Nom. 4" Thk.		Nom. 4½" Thk.		Nom. 5" Thk.		Nom. 5½" Thk.		Nom. 6" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
1	1.91	2.10	2.35	2.59	2.84	3.13	3.38	3.72	3.96	4.37
1	2.10	2.32	2.49	2.75	3.03	3.34	3.57	3.94	4.11	4.53
1	2.15	2.37	2.54	2.80	3.08	3.40	3.62	3.99	4.16	4.59
¾	2.30	2.53	2.74	3.02	3.38	3.72	3.92	4.32	4.36	4.80
½	2.35	2.59	2.84	3.13	3.43	3.78	3.96	4.37	4.55	5.02
½	2.40	2.64	2.94	3.24	3.52	3.88	4.01	4.42	4.65	5.13
½	2.64	2.91	3.18	3.51	3.82	4.21	4.36	4.80	4.99	5.50
½	2.79	3.07	3.33	3.67	3.92	4.32	4.50	4.96	5.14	5.67
½	3.08	3.40	3.62	3.99	4.26	4.69	4.90	5.40	5.53	6.10
½	3.23	3.56	3.72	4.10	4.36	4.80	4.99	5.50	5.63	6.21
½	3.43	3.78	4.01	4.42	4.70	5.18	5.39	5.94	6.07	6.69
½	3.47	3.83	4.06	4.48	4.75	5.23	5.43	5.99	6.12	6.75
½	3.82	4.21	4.50	4.86	5.19	5.72	5.88	6.48	6.56	7.23
½	4.16	4.59	4.75	5.23	5.63	6.21	6.37	7.02	7.20	7.93
½	4.45	4.91	5.14	5.67	5.97	6.58	6.90	7.61	7.69	8.47
½	4.80	5.29	5.48	6.04	6.51	7.18	7.35	8.10	8.18	9.01
½	5.29	5.83	6.02	6.64	6.95	7.66	7.88	8.69	8.82	9.72
½	5.58	6.15	6.37	7.02	7.35	8.10	8.33	9.18	9.31	10.26
½	5.88	6.48	6.71	7.39	7.74	8.53	8.72	9.61	9.70	10.69
½	6.37	7.02	7.30	8.04	8.37	9.23	9.40	10.36	10.58	11.44
½	6.71	7.39	7.69	8.47	8.77	9.60	9.80	10.80	10.87	11.98
½	7.00	7.72	7.98	8.80	9.11	10.04	10.24	11.28	11.36	12.52
½	7.35	8.10	8.33	9.18	9.50	10.47	10.68	11.77	11.80	13.01
½	7.64	8.42	8.67	9.55	9.89	10.90	11.12	12.25	12.25	13.50
½	7.93	8.74	9.06	9.99	10.33	11.39	11.51	12.69	12.74	14.04

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 12

PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

SECTIONAL

1 1/2 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Size	Nom. 4" Thk.		Nom. 4 1/2" Thk.		Nom. 5" Thk.		Nom. 5 1/2" Thk.		Nom. 6" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
1	1.91	2.10	2.35	2.59	2.84	3.13	3.38	3.72	3.96	4.37
	2.10	2.32	2.49	2.75	3.03	3.34	3.57	3.94	4.11	4.53
	2.15	2.37	2.54	2.80	3.08	3.40	3.62	3.99	4.16	4.59
1/4	2.30	2.53	2.74	3.02	3.38	3.72	3.92	4.32	4.36	4.80
1/2	2.35	2.59	2.84	3.13	3.43	3.78	3.96	4.37	4.55	5.02
1/2	2.40	2.64	2.94	3.24	3.52	3.88	4.01	4.42	4.65	5.13
	2.64	2.91	3.18	3.51	3.82	4.21	4.36	4.80	4.99	5.50
	2.79	3.07	3.33	3.67	3.92	4.32	4.50	4.96	5.14	5.67
1/2	3.08	3.40	3.62	3.99	4.26	4.69	4.90	5.40	5.53	6.10
	3.23	3.56	3.72	4.10	4.36	4.80	4.99	5.50	5.63	6.21
1/2	3.43	3.78	4.01	4.42	4.70	5.18	5.39	5.94	6.07	6.69
	3.47	3.83	4.06	4.48	4.75	5.23	5.43	5.99	6.12	6.75
	3.82	4.21	4.50	4.86	5.19	5.72	5.88	6.48	6.56	7.23
	4.16	4.59	4.75	5.23	5.63	6.21	6.37	7.02	7.20	7.93
	4.45	4.91	5.14	5.67	5.97	6.58	6.90	7.61	7.69	8.47
	4.80	5.29	5.48	6.04	6.51	7.18	7.35	8.10	8.18	9.01
	5.29	5.83	6.02	6.64	6.95	7.66	7.88	8.69	8.82	9.72
	5.58	6.15	6.37	7.02	7.35	8.10	8.33	9.18	9.31	10.26
	5.88	6.48	6.71	7.39	7.74	8.53	8.72	9.61	9.70	10.69
	6.37	7.02	7.30	8.04	8.37	9.23	9.40	10.36	10.38	11.44
	6.71	7.39	7.69	8.47	8.77	9.60	9.80	10.80	10.87	11.98
	7.00	7.72	7.98	8.80	9.11	10.04	10.24	11.28	11.36	12.52
	7.35	8.10	8.33	9.18	9.50	10.47	10.68	11.77	11.80	13.01
	7.64	8.42	8.67	9.55	9.89	10.90	11.12	12.25	12.25	13.50
	7.93	8.74	9.06	9.99	10.33	11.39	11.51	12.69	12.74	14.04

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 12

PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

Pipe Size	Nom. 1 1/2" Thk.		Nom. 2" Thk.		Nom. 2 1/2" Thk.		Nom. 3" Thk.		Nom. 3 1/2" Thk.		Nom. 4" Thk.	
	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL	CL	LCL
8	1.21	1.36	1.80	2.02	2.29	2.57	2.83	3.18	3.46	3.88	4.09	4.59
9	1.35	1.51	1.98	2.22	2.52	2.82	3.06	3.43	3.78	4.24	4.41	4.94
10	1.48	1.64	2.16	2.42	2.74	3.08	3.28	3.68	4.18	4.69	4.86	5.45
11	1.57	1.76	2.29	2.57	2.88	3.23	3.51	3.93	4.41	4.94	5.13	5.75
12	1.66	1.86	2.43	2.72	3.06	3.43	3.69	4.14	4.63	5.20	5.40	6.06
14	1.89	2.12	2.70	3.03	3.42	3.83	4.14	4.64	4.99	5.60	5.85	6.56
15	2.02	2.27	2.83	3.18	3.60	4.04	4.36	4.89	5.26	5.90	6.16	6.91
16	2.11	2.37	2.97	3.33	3.78	4.24	4.59	5.15	5.53	6.21	6.43	7.22
17	2.25	2.52	3.10	3.48	3.96	4.44	4.81	5.40	5.80	6.51	6.75	7.57
18	2.34	2.62	3.24	3.63	4.14	4.64	5.04	5.65	6.03	6.76	7.02	7.87
19	2.47	2.77	3.42	3.83	4.32	4.84	5.22	5.85	6.30	7.07	7.29	8.18
20	2.56	2.87	3.60	4.04	4.50	5.05	5.40	6.06	6.52	7.32	7.60	8.53
21	2.70	3.03	3.73	4.19	4.68	5.25	5.62	6.31	6.75	7.57	7.87	8.83
22	2.79	3.13	3.87	4.34	4.86	5.45	5.85	6.56	7.06	7.92	8.14	9.14
23	2.88	3.23	3.96	4.44	5.04	5.65	6.07	6.81	7.24	8.13	8.41	9.44
24	2.97	3.33	4.05	4.54	5.17	5.80	6.30	7.07	7.42	8.33	8.68	9.74
26	3.19	3.58	4.36	4.89	5.58	6.26	6.75	7.57	7.96	8.93	9.31	10.45
27	3.28	3.68	4.54	5.10	5.76	6.46	6.93	7.77	8.23	9.24	9.54	10.70
28	3.37	3.78	4.63	5.20	5.98	6.71	7.15	8.02	8.50	9.54	9.94	11.16
30	3.60	4.04	4.95	5.55	6.25	7.01	7.56	8.48	9.00	10.10	10.39	11.66
32	3.87	4.34	5.31	5.95	6.66	7.47	8.19	9.19	9.45	10.60	10.89	12.22
33	3.96	4.44	5.44	6.11	6.84	7.67	8.28	9.29	9.63	10.80	11.20	12.57

Prices subject to change without notice

EFFECTIVE 8/1/59
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PARCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Lineal Foot

<u>Pipe Size</u>	<u>Non. 4" Thk.</u>		<u>Non. 5" Thk.</u>		<u>Non. 5 1/2" Thk.</u>		<u>Non. 6" Thk.</u>	
	<u>CL</u>	<u>LCL</u>	<u>CL</u>	<u>LCL</u>	<u>CL</u>	<u>LCL</u>	<u>CL</u>	<u>LCL</u>
8	4.72	5.30	5.49	6.16	6.34	7.12	7.06	7.92
9	5.04	5.65	5.98	6.71	6.75	7.57	7.51	8.43
10	5.53	6.21	6.39	7.17	7.24	8.13	8.10	9.09
11	5.85	6.56	6.75	7.57	7.65	8.58	8.55	9.59
12	6.16	6.91	7.11	7.97	8.01	8.96	8.91	9.99
14	6.70	7.52	7.69	8.63	8.64	9.69	9.54	10.70
15	7.06	7.92	8.05	9.03	9.00	10.10	9.99	11.21
16	7.33	8.23	8.37	9.39	9.40	10.55	10.44	11.71
17	7.65	8.58	8.73	9.79	9.81	11.00	10.84	12.17
18	7.96	8.93	9.09	10.20	10.21	11.48	11.25	12.62
19	8.32	9.34	9.49	10.65	10.57	11.86	11.70	13.13
20	8.59	9.64	9.76	10.95	10.98	12.32	12.15	13.63
21	8.91	9.99	10.12	11.36	11.38	12.77	12.51	14.03
22	9.22	10.35	10.48	11.76	11.74	13.18	13.00	14.59
23	9.63	10.80	10.84	12.17	12.19	13.68	13.50	15.15
24	9.90	11.11	11.20	12.57	12.51	14.03	13.81	15.50
26	10.62	11.91	11.92	13.38	13.36	14.99	14.76	16.36
27	10.84	12.17	12.28	13.78	13.68	15.35	14.98	16.81
28	11.20	12.57	12.64	14.19	14.08	15.80	15.43	17.32
30	11.70	13.13	13.23	14.84	14.76	16.56	16.15	18.12
32	12.46	13.98	13.90	15.60	15.43	17.32	17.10	19.19
33	12.55	14.08	14.17	15.90	15.84	17.77	17.32	19.44

Prices subject to change without notice.

EFFECTIVE 8/1/59
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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Pacific Coast, Intermountain and Hawaiian Islands

PRICE EXHIBIT

BLOCKS

Terms: 1% 20th Proximo - Net 30th Proximo

Price per Square Foot

<u>Thickness</u> <u>Inches</u>	<u>CL</u>	<u>LCL</u>
1	.255	.294
1-1/4	.323	.372
1-1/2	.382	.441
1-3/4	.45	.519
2	.51	.588
2-1/4	.578	.666
2-1/2	.637	.735
2-3/4	.705	.813
3	.765	.882
3-1/2	.892	1.02
4	1.02	1.17

CEMENT

Price per 50# Bag

<u>CL</u>	<u>LCL</u>
3.95	4.20

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 15

FABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Alaska

PRICE EXHIBIT

SECTIONAL

Terms: 12 20th Proximo - Net 30th Proximo

Carload
Price per Lineal Foot

Pipe Size	Nom. 1" Thk.		Nom. 1 1/2" Thk.		Nom. 2" Thk.		Nom. 2 1/2" Thk.		Nom. 3" Thk.		Nom. 3 1/2" Thk.	
	*A	*F	A	F	A	F	A	F	A	F	A	F
1/2	.242	.248	.306	.319	.325	.347	1.10	1.13	1.32	1.35	1.70	1.
3/4	.264	.271	.339	.353	.388	.404	1.15	1.18	1.48	1.52	1.92	1.
1	.297	.305	.372	.387	.435	.46	1.21	1.24	1.54	1.58	1.98	2.
1-1/4	.33	.339	.416	.432	.49	1.01	1.26	1.29	1.59	1.63	2.14	2.
1-1/2	.363	.372	.46	.478	1.04	1.07	1.32	1.35	1.70	1.75	2.20	2.
2	.396	.406	.504	.523	1.09	1.13	1.37	1.41	1.81	1.86	2.31	2
2-1/2	.44	.452	.57	.591	1.15	1.18	1.48	1.52	1.92	1.97	2.47	2
3	.495	.508	.636	.658	1.26	1.29	1.65	1.69	2.09	2.14	2.58	2
3-1/2	.55	.565	.702	.726	1.37	1.41	1.81	1.86	2.25	2.31	2.86	2
4	.66	.678	.868	.894	1.48	1.52	1.98	2.03	2.42	2.48	2.97	3
4-1/2	.715	.734	1.03	1.06	1.59	1.63	2.14	2.20	2.58	2.65	3.24	3
5	.77	.791	1.10	1.13	1.70	1.75	2.31	2.37	2.75	2.82	3.30	3
6	.88	.904	1.21	1.24	1.87	1.92	2.47	2.54	2.97	3.05	3.63	3
7			1.32	1.35	2.03	2.09	2.64	2.71	3.19	3.27	3.96	3
8			1.48	1.52	2.20	2.26	2.80	2.88	3.46	3.55	4.23	3
9			1.65	1.69	2.42	2.48	3.08	3.16	3.74	3.84	4.64	3
10			1.81	1.86	2.64	2.71	3.35	3.44	4.01	4.12	5.11	3
11			1.92	1.97	2.80	2.88	3.52	3.61	4.29	4.40	5.39	3
12			2.03	2.09	2.97	3.05	3.74	3.84	4.51	4.63	5.66	3
14			2.31	2.37	3.30	3.39	4.18	4.29	5.06	5.19	6.10	3
15			2.47	2.54	3.46	3.55	4.40	4.52	5.33	5.48	6.43	3
16			2.58	2.65	3.63	3.72	4.62	4.74	5.61	5.76	6.76	3
17			2.75	2.82	3.79	3.89	4.84	4.97	5.88	6.04	7.09	3
18			2.86	2.93	3.93	4.06	5.06	5.19	6.11	6.32	7.37	3
19			3.02	3.10	4.18	4.29	5.28	5.42	6.36	6.55	7.70	3

*A - Anchorage Area

*F - Fairbanks Area

Prices subject to change without notice.

EFFECTIVE 8/1/59
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PARCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Alaska

PRICE EXHIBIT

SECTIONAL

Terms: 1% 20 Proximo - Net 30th Proximo

Carload
Price per Lineal Foot

Ins Size	Nom. 4" Thk.		Nom. 4 1/2" Thk.		Nom 5" Thk.		Nom. 5 1/2" Thk.		Nom. 6" Thk.	
	*A	*F	A	F	A	F	A	F	A	F
1/2	2.14	2.20	2.64	2.71	3.19	3.27	3.79	3.89	4.45	4.57
3/4	2.36	2.42	2.80	2.88	3.41	3.50	4.01	4.12	4.62	4.74
1	2.42	2.48	2.86	2.93	3.46	3.55	4.07	4.18	4.67	4.80
1-1/4	2.58	2.65	3.08	3.16	3.79	3.89	4.40	4.52	4.89	5.02
1-1/2	2.64	2.71	3.19	3.27	3.85	3.95	4.45	4.57	5.11	5.25
2	2.69	2.76	3.30	3.39	3.96	4.06	4.51	4.71	5.22	5.36
2-1/2	2.97	3.05	3.57	3.67	4.29	4.40	4.89	5.02	5.61	5.76
3	3.13	3.22	3.74	3.84	4.40	4.52	5.06	5.19	5.77	5.93
3-1/2	3.46	3.55	4.07	4.18	4.78	4.91	5.50	5.65	6.21	6.38
4	3.63	3.72	4.18	4.29	4.89	5.02	5.61	5.76	6.32	6.49
4-1/2	3.85	3.95	4.51	4.63	5.28	5.42	6.05	6.21	6.82	7.00
5	3.90	4.01	4.56	4.68	5.33	5.48	6.10	6.27	6.87	7.06
6	4.29	4.40	4.94	5.08	5.83	5.98	6.60	6.78	7.37	7.57
7	4.67	4.80	5.33	5.48	6.32	6.49	7.15	7.34	8.08	8.30
8	5.00	5.14	5.77	5.93	6.71	6.89	7.75	7.96	8.63	8.87
9	5.39	5.53	6.18	6.32	7.31	7.51	8.25	8.47	9.18	9.43
10	5.94	6.10	6.76	6.94	7.81	8.02	8.85	9.09	9.90	10.17
11	6.27	6.44	7.15	7.34	8.25	8.47	9.35	9.60	10.45	10.73
12	6.60	6.78	7.53	7.74	8.69	8.92	9.79	10.05	10.89	11.18
14	7.15	7.34	8.19	8.41	9.40	9.64	10.56	10.84	11.66	11.97
15	7.53	7.74	8.63	8.87	9.84	10.11	11.00	11.30	12.21	12.54
16	7.86	8.07	8.96	9.20	10.23	10.50	11.49	11.80	12.76	13.10
17	8.25	8.47	9.35	9.60	10.67	10.96	11.99	12.31	13.25	13.61
18	8.58	8.81	9.73	10.00	11.11	11.41	12.48	12.82	13.75	14.12
19	8.91	9.15	10.17	10.45	11.40	11.96	12.92	13.27	14.30	14.69

- Anchorage Area

- Fairbanks Area

Prices subject to change without notice.

EFFECTIVE 8/1/59
PAGE 17

PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Alaska

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Carload
Price per Lineal Foot

Pipe Size	Nom. 1 1/2" Thk.		Nom. 2" Thk.		Nom. 2 1/2" Thk.		Nom. 3" Thk.		Nom. 3 1/2" Thk.		Nom. 4" Thk.	
	*A	*F	A	F	A	F	A	F	A	F	A	F
8	1.40	1.45	2.08	2.16	2.65	2.75	3.27	3.40	4.00	4.15	4.73	4.91
9	1.56	1.62	2.28	2.37	2.91	3.02	3.53	3.67	4.36	4.53	5.09	5.29
10	1.71	1.78	2.49	2.59	3.17	3.29	3.79	3.94	4.83	5.02	5.61	5.83
11	1.82	1.89	2.65	2.75	3.32	3.45	4.05	4.21	5.09	5.29	5.92	6.15
12	1.92	1.99	2.80	2.91	3.53	3.67	4.26	4.42	5.35	5.56	6.24	6.48
14	2.18	2.26	3.12	3.24	3.95	4.10	4.78	4.96	5.77	5.99	6.76	7.02
15	2.34	2.43	3.27	3.40	4.16	4.32	5.04	5.23	6.08	6.31	7.12	7.39
16	2.44	2.53	3.43	3.56	4.36	4.53	5.30	5.50	6.39	6.64	7.43	7.72
17	2.60	2.70	3.58	3.72	4.57	4.75	5.56	5.77	6.70	6.96	7.80	8.10
18	2.70	2.80	3.74	3.88	4.78	4.96	5.82	6.04	6.96	7.23	8.11	8.42
19	2.86	2.97	3.95	4.10	4.99	5.18	6.03	6.26	7.28	7.56	8.42	8.74
20	2.96	3.07	4.16	4.32	5.20	5.40	6.24	6.48	7.54	7.83	8.78	9.12
21	3.12	3.24	4.31	4.48	5.40	5.61	6.50	6.75	7.80	8.10	9.10	9.45
22	3.22	3.34	4.47	4.64	5.61	5.83	6.76	7.02	8.16	8.47	9.41	9.77
23	3.32	3.45	4.57	4.75	5.82	6.04	7.02	7.29	8.37	8.69	9.72	10.09
24	3.43	3.56	4.68	4.86	5.98	6.21	7.28	7.56	8.58	8.91	10.03	10.42
26	3.69	3.83	5.04	5.23	6.44	6.69	7.80	8.10	9.20	9.55	10.76	11.17
27	3.79	3.94	5.25	5.45	6.65	6.91	8.00	8.31	9.51	9.88	11.02	11.44
28	3.90	4.05	5.35	5.56	6.91	7.18	8.26	8.58	9.82	10.20	11.49	11.93
30	4.16	4.32	5.72	5.94	7.22	7.50	8.73	9.07	10.40	10.80	12.01	12.47
32	4.47	4.64	6.13	6.37	7.69	7.99	9.46	9.82	10.92	11.34	12.58	13.06
33	4.57	4.75	6.29	6.53	7.90	8.20	9.56	9.93	11.12	11.55	12.94	13.44

*A - Anchorage Area
*F - Fairbanks Area

Prices subject to change without notice.

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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Alaska

PRICE EXHIBIT

SEGMENTAL

Terms: 1% 20th Proximo - Net 30th Proximo

Carload
Price per Lineal Foot

Pipe Size	Nom. 4 1/2" Thk.		Nom. 5" Thk.		Nom. 5 1/2" Thk.		Nom. 6" Thk.	
	*A	*F	A	F	A	F	A	F
8	5.46	5.67	6.34	6.58	7.33	7.61	8.16	8.47
9	5.82	6.04	6.91	7.18	7.80	8.10	8.68	9.01
10	6.39	6.64	7.38	7.66	8.37	8.69	9.34	9.72
11	6.76	7.02	7.80	8.10	8.84	9.11	9.88	10.26
12	7.12	7.39	8.21	8.53	9.25	9.61	10.29	10.69
14	7.74	8.04	8.89	9.23	9.98	10.36	11.02	11.44
15	8.16	8.47	9.30	9.66	10.40	10.80	11.54	11.98
16	8.47	8.80	9.67	10.04	10.86	11.28	12.06	12.52
17	8.84	9.18	10.08	10.47	11.33	11.77	12.53	13.01
18	9.20	9.55	10.50	10.90	11.80	12.25	13.00	13.50
19	9.62	9.99	10.97	11.39	12.22	12.69	13.52	14.04
20	9.93	10.31	11.28	11.71	12.68	13.17	14.04	14.58
21	10.29	10.69	11.70	12.13	13.15	13.66	14.45	15.01
22	10.66	11.07	12.11	12.58	13.57	14.09	15.02	15.60
23	11.12	11.55	12.53	13.01	14.09	14.63	15.60	16.20
24	11.44	11.88	12.94	13.44	14.45	15.01	15.96	16.57
26	12.27	12.74	13.78	14.31	15.44	16.03	17.05	17.71
27	12.53	13.01	14.19	14.74	15.80	16.41	17.31	17.98
28	12.94	13.44	14.61	15.17	16.27	16.90	17.83	18.52
30	13.52	14.04	15.28	15.87	17.05	17.71	18.64	19.38
32	14.40	14.95	16.06	16.68	17.83	18.52	19.76	20.52
33	14.50	15.06	16.38	17.01	18.30	19.00	20.02	20.79

*A - Anchorage Area

*F - Fairbanks Area

Prices subject to change without notice.

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PABCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

Alaska

PRICE EXHIBIT

BLOCKS

Terms: 1% 20th Proximo - Net 30th Proximo

Thickness Inches	Carload Price per Square Foot	
	*A	*F
1	.303	.321
1-1/4	.383	.406
1-1/4	.343	.481
1-3/4	.535	.567
2	.606	.642
2-1/4	.686	.727
2-1/2	.757	.802
2-3/4	.838	.888
3	.909	.963
3-1/2	1.06	1.12
4	1.21	1.28

CEMENT

Price per 90# Bag

*A	*F
4.40	4.33

*A - Anchorage Area

*F - Fairbanks Area

Prices subject to change without notice.

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PARCO INDUSTRIAL INSULATIONS DIVISION
of
FIBREBOARD PAPER PRODUCTS CORPORATION
San Francisco, California

PRICE EXHIBIT

ACCESSORIES

Accessory Material

Extra Charge

	<u>10" Pipe Size or Smaller</u>	<u>11" Pipe Size & Larger</u>
CANVAS - Standard	No Charge	6%
" - 6 oz.	7%	10%
" - 8 oz.	9%	12%
Weatherproof Jackets (Integral) 3 layers - 15 lb. Asphalted Felt (Cut to size and/or factory installed)	12%	16%

Prices for special weight weatherproof coverings of rag or asbestos felts
will be quoted upon request.

Prices subject to change without notice.

X

1. The Seller warrants the goods to be sold hereunder to be of the quality and condition provided herein, or by a Supplemental Warranty, to be supplied by the Seller hereunder, in entire risk of damage to or loss of such product, to the extent of delay in transportation and/or delivery, and all other risks of loss, damage and loss from whatever cause arising, all shall pass to and are assumed by Buyer upon delivery by Seller to a common carrier or, if the Buyer has requested shipment by or delivery to a carrier or vehicle other than a common carrier, upon delivery of such product, by the Seller to the carrier or vehicle so designated by Buyer, regardless of the form of bill of lading.

2. In the event Buyer is liquidated, assigned, sold, cut off, or becomes insolvent or bankrupt, sustains a fire loss, or removes or removes a substantial portion of his stock of merchandise or any portion or intention to mortgage or sell or purchase his stock in trade, or fixtures, or store equipment, or portion or recorded, all sums owing hereunder shall be immediately due and payable, repayment of credit extended. It is agreed that no Cash Discount will be allowed except in accordance with the terms stated hereon and that legal interest may be charged on the invoice if not paid at maturity. Should Buyer's credit become impaired or be deemed unsatisfactory by Seller, Seller may require payment or security satisfactory to Seller before commencing manufacture or delivery of any goods hereunder. Failure to send such payment or security shall not constitute a waiver of Seller's right later to do so, and such demand, if made, shall not affect the obligations of Buyer with regard to said order.

3. Seller warrants that all goods shall be of merchantable quality and shall conform to specifications. No other warranty, express or implied, by law or otherwise, exists as to such products except as is expressly stated herein. Seller's obligation hereunder shall be limited to the replacement without charge, at the point of destination within the Continental United States of product which do not comply with the foregoing warranty, provided that in no case shall such replacement be made unless written claim therefor be made by Buyer within six months after the date of shipment by Seller of the products in question. Seller's warranty hereunder does not apply to any products improperly applied or used or which have been subjected by Buyer or anyone else to intentional or negligent misuse or accident, or which have been mixed with, or to which have been added, product made by others. No warranty whatsoever, express or implied, by law or otherwise, is made by Seller with respect to any products sold hereunder, but not manufactured by Seller. The obligations of Seller hereunder are in lieu of all other obligations or liabilities on its part, whether for breach of warranty or for breach of contract or any term or condition thereof and Buyer hereby waives any and all claims for damage, not based hereon, arising out of, or in any way connected with, the sale of goods hereunder, including without limitation, claims for latent defects or for loss of good will or anticipated profits. Seller neither assumes, nor authorizes any person to assume for it, any liability whatever in connection with the sale of any products sold hereunder, except as is expressly set forth herein.

in the event that any claim should be made against the Seller at any time that because of making or selling any of the goods covered by this order, the Seller is violating any law or regulation or is infringing any patent, trade-mark, or copyright, or is contributing to any act of unfair competition or in violation of law, the Seller may at its option thereupon, or at any time during the continuance of such claim, suspend delivery of and cancel the order, and Buyer shall save Seller harmless from loss or damage resulting from any such claim, and Buyer shall indemnify Seller for all or good, to Buyer including any trademark, design, name, or other device protected in the United States by Buyer, and Buyer shall be solely responsible for any liability or penalty arising out of the omission from goods furnished by Seller, or any non-compliance with any law or regulation required by law or regulation, and notwithstanding that Seller or its representative may have been consulted thereon.

Seller may thereupon at any time thereupon either suspend or cancel this agreement in whole or in part as to the undelivered portion thereof, and all goods paid for hereunder in whole or in part.

5. In the event that any claim should be made against the Seller at any time that because of making or selling any of the goods covered by this order, the Seller is violating any law or regulation or is infringing any patent, trade-mark, or copyright, or is contributing to any act of unfair competition or in violation of law, the Seller may at its option thereupon, or at any time during the continuance of such claim, suspend delivery of and cancel the order, and Buyer shall save Seller harmless from loss or damage resulting from any such claim, and Buyer shall indemnify Seller for all or good, to Buyer including any trademark, design, name, or other device protected in the United States by Buyer, and Buyer shall be solely responsible for any liability or penalty arising out of the omission from goods furnished by Seller, or any non-compliance with any law or regulation required by law or regulation, and notwithstanding that Seller or its representative may have been consulted thereon.

6. Any sales tax now in force and any tax, import, levy, duty, or other charge hereafter imposed by any governmental or other authority upon the production, use or sale of any goods ordered hereunder or upon the materials, fixtures or machines or producing the same, and any increase in cost to Seller in manufacturing, processing or delivering any goods sold hereunder, resulting directly from government supervision, regulation or control, now or hereafter prescribed by law or in force, and affecting Seller's performance of its obligation hereunder, shall be added to the purchase price as herein noted or any revisions thereof, and shall be paid by Buyer.

7. Merchandise shipped to Buyer by Seller shall be returned to Seller unless return is expressly authorized and requested by Seller. Any allowance for merchandise returned to Seller will be subject to a charge of 10% of the invoice price to cover the cost of handling and reconditioning, or to the actual cost of handling and reconditioning when such cost exceeds 10% of such invoice price, and to a charge for any transportation costs incurred by Seller on the original shipment and/or the return, unless such return is duly authorized by Seller and is necessitated by a cause for which Seller is properly chargeable.

It is agreed that neither party shall be bound by any of the conditions herein set forth with respect to the subject matter of this agreement, and that the agreement is hereby made void, under penalty, stipulation, or other condition, with respect hereto. The terms and conditions hereof cannot be orally altered, modified, or abandoned. In whole or in part, except by an agreement in writing signed by the parties hereto. No employee or Seller has authority to waive, verbally or otherwise, any of these conditions, except in a written agreement by an executive officer of Seller. No employee or Seller or any of the parties hereto, in the modification of any of the terms or conditions hereof, shall be deemed to have the authority of waiving or modifying any of the terms or conditions hereof.

Mr. Wayne Johnson - New York

July 22, 1966

Paul B. Van Buren - Santa Clara

Mr. W. W. White - Santa Clara

Mr. T. R. Vog - Toledo

P. BCO KAYLO CONTRACT

At your request I have reviewed our Agreement for Manufacture and Sale of Private Brand 'Kaylo' Insulation Products, dated March 1, 1960, including amendments dated April 7, 1960, and December 5, 1960, with Fibreboard Paper Products Corporation. The following are my comments and interpretations.

MINIMUM PURCHASE REQUIREMENT

By a letter dated December 5, 1960, the original Paragraph 8 was amended to read as follows :

8. Minimum Purchase Requirement

If in any period of six consecutive calendar months during the term of this agreement the invoice value of the products purchased by you (OCF) shall aggregate less than \$200,000 the we (Fibreboard) shall have the right to terminate this agreement by notice given to you (OCF) at any time during the calendar month next succeeding said 6-month period, effective upon the date specified therein which shall not be earlier than 60 days after the date such notice is given.

The sole effect of the amendment was to increase the minimum purchase requirement from \$150,000 to \$200,000.

TERMINATION OF AGREEMENT BY EITHER PARTY

However, Paragraph 1 provides :

1. Termination

The term of this agreement shall commence on August 15, 1960, and shall continue in effect until terminated by either party at any time upon at least six months' prior written notice to the other."

Therefore, even if OCF should continue to buy the minimum purchase quantities, Fibreboard could still terminate the Agreement without any reason upon six months' written notice.

PURCHASE OF INVENTORY ON TERMINATION

Paragraph 10 provides :

10. Purchase of Inventory on Termination

Upon any termination of this agreement, you (OCF) shall be obligated forthwith to purchase and pay for "Kaylo" calcium-silicate products (at the price in effect hereunder at termination) and "Kaylo" printed cartons (at our regular price in effect at termination) in our (Fibreboard's) inventory upon the effective date of the termination, up to but not exceeding an aggregate value of \$100,000. You shall take delivery of the same within sixty days after such effective date. (Emphasis added)

It would appear that this provision could have been more clearly drawn as it is subject to several possible interpretations.

OCF could argue that a purchase of "up to but not exceeding an aggregate of \$100,000" means that a purchase of any amount of inventory from \$1.00 to \$100,000 would fulfill its obligations thereunder. If it was intended to require an OCF purchase in the amount of \$100,000, the words "up to but not exceeding" should not have been used. The counter argument would probably be that it contemplates OCF's purchase of either: all of the described inventory or \$100,000 worth, whichever is less.

If the provision is interpreted as requiring an OCF purchase of \$100,000 of inventory, it can still be argued that OCF has the right to select which items will be included in its purchase. Of course, this right of selection would be of little value if the inventory did not contain at least \$100,000 of items desired by OCF.

REQUIREMENTS CONTRACT

As originally drawn in the March 1, 1960, Agreement, Paragraph 3 provided :

"3. Quantities

The quantities of the products to be manufactured and sold hereunder shall be your (OCF's) requirements thereof for sale and/or installation in the thirteen Western States, including Hawaii and Alaska (but not including, except at your (OCF's) option, direct Government and other sales), subject to the limitation hereinafter set forth." (Emphasis added)

A letter written by OCF dated March 21, 1960, to confirm the mutual understanding with Fibreboard stated in part as follows :

- "1. Your interest is to supply us with the calcium silicate requirements of our Fiberglas Engineering & Supply Division. It is our option to sell or not to sell this product direct to Armstrong Contracting and Supply Company and/or other independent industrial distributing contracting firms." (Emphasis added.)

The original Agreement was amended on April 7, 1960, by the substitution of the following provision for the original Paragraph 3.

"3. Quantities

The quantities of the products to be manufactured and sold hereunder shall be the requirements thereof of your Fiberglas Engineering & Supply Division for sale and/or installation in the thirteen Western States, including Hawaii and Alaska (and also, at your option, direct Government sales, direct sales to Armstrong Contracting and Supply Company and Armstrong Cork Company, and sales to independent industrial distributing contracting firms) subject to the limitations hereinafter set forth."

Finally on December 5, 1960, Paragraph 3 was replaced by the following :

"3. Territory

The area served by this agreement shall be the thirteen Western States, including Hawaii and Alaska."

This amendment eliminated the requirements provision from the Agreement. Therefore, under the agreement as it now exists, OCF need not buy all of its requirements from Fibreboard. However, if OCF fails to comply with the minimum purchase requirement found in Paragraph 8, as amended, Fibreboard has the option of terminating the Agreement upon sixty days notice. Upon such a termination, or upon termination by either party upon six months' notice, Paragraph 8's provisions concerning purchase of inventory upon termination would come into operation.

Paul

Paul B. Van Buren

OWENS-CORNING FIBERGLAS CORPORATION
GENERAL OFFICES • TOLEDO 1, OHIO

May 11, 1958

John-Manville Sales Corporation
22 East 40th Street
New York 18, New York

Gentlemen:

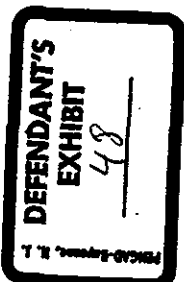
This is to confirm that you will cause to be manufactured and sell to us and we will purchase from you the hydrous calcium silicate products listed in Exhibit A attached hereto and made a part hereof, at the prices set forth in said Exhibit A and under terms and conditions of sale set forth herein and in Exhibit B attached hereto and made a part hereof.

You agree to cause the foregoing products to be manufactured, packaged and labeled according to Exhibit C hereto attached and made a part hereof, which Exhibit C may be modified from time to time with the approval of both parties.

These products will be supplied to our Pacific Coast Division and normally will be shipped from the J. M. plant location at Watson, California. Shipments from the J. M. Watson plant location will be f.o.b. shipping point with freight allowances of 30% of actual freight to destination. You may at your discretion ship from other plants, in which case you will absorb any additional freight charges. All orders will be sent direct to the J. M. Watson plant location by our Purchasing Department at our Santa Clara, California plant.

We agree to purchase a minimum of approximately \$600,000 net invoice amount of the aforesaid products during the period of 18 months from the effective date hereof, after which this agreement shall be automatically renewed for an additional two-year period, during which we agree to purchase a minimum of approximately \$1,200,000 net invoice amount of the aforesaid products. Provided, however, that either of us may terminate this agreement at any time after effective date hereof on six months' written notice to the other. It is agreed that you shall not be obligated to supply more than a maximum of approximately \$50,000 net invoice amount of the aforesaid products during any calendar month so long as this agreement remains in effect, it being understood, however, that you may, at your sole discretion, supply more than said maximum if we shall so request.

Fifteen days prior to the beginning of each calendar quarter we will furnish you our best estimate of the quantity of these products we intend to purchase during each calendar quarter. Prices may be revised by you from time to time upon notice to us. In the event such



FIBERGLAS

May 11, 1958

revised prices are unacceptable or unsatisfactory to us, we may cancel this agreement by giving you notice in writing thirty (30) days after receiving notice of such revised prices. In the event of a price increase we may within thirty (30) days after receipt of notice thereof, request price protection on specific outstanding contracts and contract proposals and you agree to extend to us such price protection for our customers as you extend to your customers of the same class.

You will furnish to us standard size samples free of charge in packages which we will pay for, f.o.b. the J. M. Watson plant location.

The effective date of this agreement shall be July 1, 1958, or such earlier date as you may advise us of your readiness to commence shipment hereunder.

If the foregoing incorporates your understanding of our agreement, would you kindly indicate your acceptance at the lower left and return one copy of this letter to us.

Very truly yours,

OWENS-CORNING FIBROGLAS CORPORATION

By John Marshall Bailey
Vice-President

Accepted this 13th day of May,
1958.

JOHN-MARVILLE SALES CORPORATION

By J. B. Gabe
Vice President

May 27, 1958

Owens-Corning Fiberglas Corp.

11

EXHIBIT A
CALCIUM SILICATE INSULATION
PRICE SCHEDULE

Zone I

COLORADO, Counties of Jackson, Grand, Summit, Park, Fremont, Custer, Huerfano, Costello and all counties east; TEXAS, El Paso County only.

	Single Shipments \$5,000 List <u>And Over</u>	Single Shipments Under <u>\$5,000 List</u>
Pipe Insulation	Table 15	Table 6
Blocks, 6" or 12" x 36"	" 25	" 15

Zones II & III

ARIZONA; CALIFORNIA; COLORADO (except Counties listed above); IDAHO; MONTANA; NEVADA; NEW MEXICO; OREGON; UTAH; WASHINGTON; WYOMING, Counties of Big Horn, Fremont, Hot Springs, Lincoln, Park, Sublette, Sweetwater, Teton, Uinta, Washakie and Yellowstone National Park.

	Single Shipments \$5,000 List <u>And Over</u>	Single Shipments Under <u>\$5,000 List</u>
Pipe Insulation	Table 12	Table 3
Blocks, 6" or 12" x 36"	" 23	" 12

F.O.B.

Watson, California

Freight Allowance

Freight will be allowed at $\frac{1}{2}$ the actual or rail (whichever is lower) freight charges from Watson, California to destination, within the territories listed above.

Extra Charges for Pipe Insulation

Decrease Table Number by the number of points shown.

	11" I.P.S. <u>And Smaller</u>	Over 11" I.P.S.
Standard Canvas*	None	6
4 Ounce Canvas	3	6
5 " "	6	9
6 " "	7	10
8 " "	9	12
Black Lacquered Bands**	2	4
Weatherproof Jackets***	12	16

* Standard canvas regularly furnished for 11" I.P.S. and smaller. Orders for larger sizes must state whether canvas is required.

** Bands furnished only if ordered. Extra charge covers 5 bands per 2 sections.

*** Charges for weatherproof jackets also include end strips, lap cement and galvanized iron wire for application.

Terms of Payment

1%, 10th Prox, Net 30th Prox.

Price Protection

See attached Price Book Pages IN-2:1 and IN-2:1:0 of current date. Ten days may be added to the time periods shown for filing with J-M.

Johns-Manville Sales Corporation

Approved By:

Johns-Manville Sales Corp.

Owens-Corning Fiberglas Corp.

**CALCIUM SILICATE INSULATION
PRICE SCHEDULE**

Zone I

COLORADO, Counties of Jackson, Grand, Summit, Park, Fremont, Custer, Huerfano, Costilla and all counties east; TEXAS, El Paso County only.

Pipe Insulation
Blocks, 6" or 12" x 36"

Any Quantity
Table no. 5, Less 10%
Table no. 17, Less 10%

Zones II & III

ARIZONA; CALIFORNIA; COLORADO (except Counties listed above); IDAHO; MONTANA; NEVADA; NEW MEXICO; OREGON; UTAH; WASHINGTON; WYOMING, Counties of Big Horn, Fremont, Hot Springs, Lincoln, Park, Sublette, Sweetwater, Teton, Uinta, Washakie and Yellowstone National Park.

Pipe Insulation
Blocks, 6" or 12" x 36"

Any Quantity
Table no. 2, Less 10%
Table no. 15, Less 10%

F. O. B.

Watson, California

Freight Allowance

Freight will be allowed at the actual or carload rail basis (whichever is lower) from Watson, California to destination, within the territories listed above. On truckload orders picked up at Watson, California Plant by your own or hired truck, no freight allowance will be made.

Extra Charges for Pipe Insulation

Decrease table number by the number of points shown before application of 10% discount

	<u>11" I.P.S. And Smaller</u>	<u>Over 11" I.P.S.</u>
Standard Canvas*	none	6
4 Ounce Canvas	3	6
5 " "	6	9
6 " "	7	10
8 " "	9	12
Bands**	2	4
weatherproof Jackets ***	12	16

* Standard canvas regularly furnished for 11" I.P.S. and smaller. Orders for larger sizes must state whether canvas is required.

** Bands furnished only if ordered. Extra charge covers 1 band per 2 sections.

*** Charges for weatherproof jackets also include end strips, tape cement and galvanized iron wire for application.

November 2, 1959

Terms of Payment

15, 10th Prox, net 30th Prox.

Price Protection

See attached Price Book Pages IH-2:1 and IH-2:1:0 of current date. Ten days may be added to the time periods shown for filing with J-1.

Johns-Manville Sales Corporation

Approved By:

Johns-Manville Sales Corp.

Don L. Johnson

Owens-Irrigation Fiberglas Corp.

John Marshall Bailey

GENERAL PRICING DATA

EXHIBIT A (Continued)

TERMS OF PAYMENT

1. United States, State, County & Municipal Govts.:

1% 30 days.

Exceptions:

Net 30 days-Insulating Brick, Insulating Fire Brick, Fireblok, Flat Transite, and Refractory Products (exclusive of Fireite and Scove Putty).

1% 10th prov. Net 30th prov.-Fireite and Scove Putty.

1% 10 days, net 30 days - Mine Cements when shipped from mines.

Printed inquiries stipulating more favorable terms must be changed to the above.

2. Railroads, Railroad Equipment Manufacturers and Locomotive Builders:

Net 30 days. No cash discount.

J-M Construction Units-Applied Contracts: See paragraph 3 under Quotations & Acknowledgments.

3. All Other Classes of Trade:

1% 10th prov. Net 30th prov.

Exceptions: Net 30 days-Insulating Brick, Insulating Fire Brick, Fireblok, Flat Transite and Refractory Products (exclusive of D & F buyers, and Fireite and Scove Putty)

1% 10 days, net 30 days. Mine Cements when shipped from mines (Exclusive of shipments to Insulation Contract Units.)

4. Export Shipments: Contact International Division.

NOTE: Cash discounts may not be deducted in arriving at unit prices or net amount of bid or invoice to any buyer, including U.S. Govt.

PRICE CHANGES

All prices are subject to change at any time. In the event of a price increase no new business may be quoted or sold at old prices. In the event of a decrease all unfilled orders will be invoiced at prices in effect at time of shipment. No rebates on materials in stock.

See Price Protection

PRICE PROTECTION

1. Applied Contract Sales-Insulation Contract Units and J-M Construction Units: (See also paragraph III and IV).

a. New Proposals and Contracts: J-M Construction Units, to properly protect Johns-Manville against future changes in cost of both labor and materials, are authorized (in accordance with Sales Bulletin 5131-32 dated Aug. 17 1949) to include the following clause in all contract proposals:

"The price quoted herein is based on labor rates, the wholesale price for J-M materials the purchase price of other materials, transportation and other costs, used for this job in effect on this date. Should these rates, prices, and/or costs increase or decrease prior to the completion of the job, the price quoted herein shall be increased or decreased accordingly."

Insulation Contract Units may use the above form if they so desire.

b. Lump Sum and Unit Price Contracts by Insulation Contract Units and J-M Construction Units will be extended six (6) months price protection on Insulation Materials furnished to these Units in connection with Applied Contract

In the event of a price advance, Insulation Contract Units will be protected at prices in effect prior to the advance on all lump-sum and unit price contracts existing at the time of advance provided a list of such contract is filed with Division Headquarters within ten (10) days after notification of such advance. This list must show name and location of Insulation Contract Unit, name of job, and quantities and sizes of J-M materials to execute each job. Use "Price Protection Notice," form 5189-20.

Insulation Contract Units will be allowed thirty (30) days from date of price advance to close outstanding contract proposals. A list of such proposals, giving name of job, quantities and sizes of J-M materials required must be filed with Division Headquarters within ten (10) days after notification of price advance. All such contract proposals actually closed must be reported to Division Headquarters within forty (40) days of notification of price advance. Use "Price Protection Notice," form 5189-20. Shipments and billing on all such orders are to be made within six (6) months of date of price advance, subject to established terms of payment.

Continued on following page (IN-2:1:0)

EXHIBIT B
TERMS AND CONDITIONS OF SALE

1. Unless otherwise specified, all articles ordered will be subject to final inspection and approval at the destination of the Buyer to which delivery is to be made by either or both Buyer's inspectors and, if applicable, government inspectors. Such inspection will be made within a reasonable time after arrival of the articles at destination, irrespective of the date of payment therefor. The Buyer will, at Seller's option, either hold any rejected articles for a reasonable time for the Seller's instructions and at its risk or return them to the Seller at the Seller's expense.

2. No charges will be allowed for transportation, boxing or packing unless stated. All articles are to be suitably loaded or otherwise prepared for shipment so as to secure the lowest transportation and insurance rates.

3. The Seller hereby warrants that none of the products covered by this agreement, when used for the purposes for which they are designed or intended, shall infringe any U. S. Letters Patent not owned or controlled either directly or indirectly by Seller or a corporation affiliated with Seller, and shall save harmless the Buyer against any claims, suits or actions based on an alleged infringement of any such Letters Patent, provided, however, that Buyer shall forward promptly to Seller any and every written notice Buyer may receive of any such claims, suits or actions and any and every subpoena, summons or other process or writ served upon Buyer in connection therewith and shall take no action with respect to any such notice, subpoena, summons or other process or writ without first receiving Seller's written approval; and provided, further, that Seller shall have the right to intervene as a party defendant in any such suit or action and of conducting the defense thereof by counsel of its own selection and of effecting any compromise and/or settlement of any such suits or actions on such terms as it may deem advisable. In making any purchase the Buyer does not recognize the validity of any patent. Buyer assumes full responsibility for the right to use any trade name or trade mark designated by Buyer for use on said labels.

4. No assignment or sub-letting of this contract in whole or in part may be made without the Buyer's written consent, provided, however, that this prohibition shall not extend to any assignment by the Seller of any monies due hereunder, and provided further that this prohibition shall not prevent the Seller from sub-letting to one or more other wholly-owned subsidiaries of Johns-Manville Corporation (parent of Seller) certain of the obligations undertaken by Seller hereunder.

5. The Buyer may cancel this contract if the quality or quantity of the articles delivered hereunder is not as specified or as expressly or impliedly represented or warranted. Seller expressly warrants that all goods furnished hereunder will conform to the specifications incorporated herein or other description furnished or adopted

by Buyer and accepted by Seller, and that all such goods will be merchantable, of good material and workmanship, and free from defect. In no case, however, will you be liable for indirect or consequential damages. In the event Buyer orders materials that may be required to meet a U. S. Government specification, such fact must be stated on the order and Seller shall have the right to reject any such order without incurring any of the liabilities herein specified and without giving Buyer the right to terminate this agreement. Buyer shall have 30 days after receipt of claims from its customers, but in no case more than seven months after the arrival of the material at the destination of the Buyer, in which to present to Seller claims on account of defective material or shortages in count or for any other cause.

6. Seller will not be liable for damages for delays in delivery due to causes beyond its reasonable control. If Seller, however, for any reason does not substantially comply with Buyer's delivery schedule as agreed to by Seller, Buyer at its option may either approve a revised delivery schedule, or may terminate the contract either in whole or in part without liability to Seller on account thereof. Buyer recognizes that Seller may normally require a minimum of ten working days between the receipt of an order and the date of shipment and agrees that Seller's failure to comply with a shorter delivery schedule shall not be a reason for Buyer's terminating this contract.

7. Both parties shall be excused for failure of performance hereunder caused by war, demands or requests of governmental authority, national defense, civil commotion, strikes, labor trouble, fire, flood, accident, failure in production or production equipment, inability to obtain fuel, power, raw materials or shipping capacity, or other causes of a like or unlike nature beyond their reasonable control.

8. The Seller agrees to comply with the applicable provisions of any Federal or State law and all executive orders, rules and regulations issued thereunder, whether now or hereafter in force; and any provisions, representations, or agreements required thereby to be included in this contract are hereby incorporated by reference.

9. Seller hereby certifies that all goods delivered hereunder are produced in compliance with all applicable requirements of Sections 6, 7 and 12 of the Fair Labor Standards Act, as amended, and of Regulations and Orders of the United States Department of Labor issued under Section 14 thereof.

10. (a) The Buyer may cancel any order under this contract in whole or in part at any time by written or telegraphic notice, whenever, without the fault of the Buyer, (1) the Government requests the termination of such order or (2) a contract between the Buyer and a third person requiring for its performance articles of the kind or type covered by this contract is terminated, in whole or in part, or amended to eliminate or reduce such requirements. Such notice shall state the extent and effective date of such termination; and, upon the receipt thereof, the Seller will as and to the extent directed by the Buyer, stop work under such order and the placement of further contracts

Exhibit

or sub-contracts hereunder, terminate work under contracts and take any necessary action to protect the property in the Seller's possession in which the Buyer has or may acquire an interest.

(b) If the parties cannot by negotiation agree within a reasonable time upon the amount of fair compensation to the Seller for such termination, the Buyer in addition to making prompt payment of amounts due for articles delivered or manufactured prior to the effective date of termination will pay to the Seller the following amounts without duplication:

(1) The contract price for all articles which have been completed or substantially completed (i.e. through the forming or molding process) in accordance with such order and not previously paid for.

(2) The reasonable costs of the Seller in making settlement hereunder and in protecting property in which the Buyer has or may acquire an interest.

Payments made under this paragraph (b), exclusive of payments under sub-paragraph (2), shall not exceed the aggregate price of articles described in such order, less payments otherwise made or to be made.

(c) With the consent of the Buyer, the Seller may retain at an agreed price or sell at an approved price any completed articles, and will credit or pay the amounts so agreed or received as the Buyer directs. As directed by the Buyer, the Seller will transfer title to, and make delivery of, any such articles, materials, work in process or other things not so retained or sold. Appropriate adjustment will be made for delivery costs or savings therein.

(d) The provisions of this Article 10 shall not limit or affect the right of the Buyer to terminate this contract for the default of the Seller.

11. Orders issued under this contract may be subject to the Renegotiation Act of 1951, and if subject thereto, the Seller hereby agrees as follows:

(a) to the elimination of excessive profits through negotiations;

(b) that there may be withheld by the Buyer for the United States from amounts otherwise due to the Seller, or the Seller will repay to the United States, if paid to him, any excessive profits;

(c) that Buyer shall be relieved of all liability to the Seller on account of any amount so withheld, or so repaid by the Seller to the United States; and

(d) that the Seller will insert in each of its sub-contracts covered by said Act, provisions corresponding

to those in (a), (b), and (c) above, and in this sub-paragraph (d).

22. This contract shall be deemed to contain all of the provisions and agreements required by Section 3 of the Act of March 27, 1936 (Warren Act) as amended, to the extent that, by the terms of said Act or any amendment thereto, such provisions and agreements are applicable.

MINERAL

Specifications for Hydrous Calcium Silicate Products, [covered by Agreement dated May 13, 1938 between Johns-Manville Sales Corporation (Seller) and Owens-Corning Fiberglas Corporation (Buyer).]

Pipe Covering & Block

1. Density - psi

Based on average of 5 samples taken at random. Dried to constant weight.

12 lbs. plus or minus 2 lbs.

2. Modulus of Rupture - psi

Based on average of 5 samples taken at random. Dried to constant weight.

50 lbs. minimum.

3. Compressive Strength - psi

Based on average of 5 samples taken at random.

a. To prevent % compression

Dry
After 24 hrs. at 150°F

150 lbs. plus or minus 50 lb
180 lbs. plus or minus 30 lb

4. Linear Shrinkage - %

Based on average of 3 samples taken at random. After 24 hrs. at 150°F.

1.7% plus or minus .3%

5. Tolerances

Inner Diameter:

Inside diameter of pipe covering shall be the same as the outer diameter of nominal pipe outer diameters. A tolerance of plus $1/16"$ in inner diameter, up to 8" pipe size, $3/16"$ for 8" to 14" pipe size, and $1/4"$ for pipe sizes 14" and larger shall be permitted. No minus tolerance will be permitted.

Thickness:

[Thickness shall be as shown in the table below.] A tolerance of plus $1/8"$ minus $1/16"$ will be permitted. Where insulation thickness is furnished in two or more layers, the total thickness shall be the sum of the actual thicknesses of the combined layers.

AMENDED February, 1959

EXHIBIT C

Specifications for Hydrous Calcium Silicate Products covered by Agreement dated May 13, 1958 between Johns-Manville Sales Corporation (Seller) and Owens-Corning Fiberglas Corporation (Buyer).

- Pipe Covering & Block
1. Density - pcf
Based on average of 5⁴ samples taken at random. 12 lbs. plus or minus
Dried to constant weight. 2 lbs.
 2. Modulus of Rupture - psi
Based on average of 5 samples taken 50 lbs. minimum
at random. Dried to constant weight.
 3. Compressive Strength - psi
Based on average of 5 samples taken
at random.
a. To produce 5% compression
Dry 150 lbs. plus or minus 50 lbs.
After 24 hrs. at 1200F 120 lbs. plus or minus 30 lbs.
 4. Linear Shrinkage - %
Based on average of 3 samples taken
at random. After 24 hrs. at 1200F. 1.5% plus or minus .3%
 5. Tolerances

Inner Diameter:

Inside diameter of pipe covering shall be the same as the outer diameter of nominal pipe (outer diameters) subject to the following tolerances:

<u>Nominal Pipe Size</u>	<u>Tolerance</u>	
	<u>Steel Pipe Nominal O.D. = 0</u>	
	<u>Max.</u>	<u>Min.</u>
1/2" thru 4"	1/16"	0
4 1/2" thru 7"	1/8"	0
8" thru 12"	3/16"	0
14" thru 19"	1/4"	0
20" thru 24"	3/8"	0

Thickness:

Thickness shall be as shown in the table below. A tolerance of plus 1/8" minus 1/16" will be permitted. Where insulation thickness is furnished in two or more layers, the total thickness shall be the sum of the actual thicknesses of the combined layers.

Thickness where applicable.

Johns-Manville

SALES CORPORATION

INDUSTRIAL INSULATIONS DIVISION



Telephone: LExington 2-7600

22 East 40th Street
New York 16, N. Y.

May 27, 1958

REC'D IND. INSULATIONS MAY 28 1958

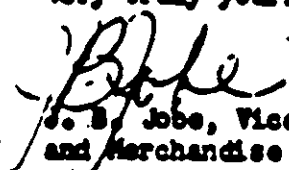
Mr. H. T. Williams
Owens-Corning Fiberglas Corp.
1833 National Bank Building
Toledo 1, Ohio

Dear Hugh:

Attached are two copies of the proposed prices on "Kaylo" for the Pacific Coast Division. This will constitute Exhibit "A" of the agreement.

If satisfactory, would you please sign one copy and return to me.

Very truly yours,


J. B. Jobe, Vice President
and Merchandise Manager

JHJ/bm
enc. 2

EXHIBIT "A"

SECTION

(AS MANUFACTURED BY JONES-MANVILLE)
PIPE AND TUBE INSULATION - NET PRICE/LINEAL FOOT

ZONE I - LCL

THICKNESS - SINGLE LAYER

PIPE SIZE	1"	1-1/2"	2"	2-1/2"	3"
2/3"	.208	.435	.709	.945	1.134
3/4"	.227	.463	.756	.992	1.276
1"	.255	.492	.803	1.040	1.383
1-1/4"	.284	.529	.851	1.087	1.370
1-1/2"	.312	.567	.898	1.134	1.465
2"	.340	.605	.945	1.182	1.559
2-1/2"	.378	.662	.992	1.276	1.654
3"	.425	.728	1.087	1.316	1.796
3-1/2"	.473	.775	1.181	1.539	1.937
4"	.567	.832	1.276	1.781	2.079
4-1/2"	.614	.888	1.370	1.843	2.221
5"	.662	.945	1.465	1.905	2.363
5-1/2"	.756	1.040	1.607	2.126	2.552
6"	-	1.134	1.748	2.268	2.741
6-1/2"	-	1.276	1.890	2.410	2.977
7"	-	1.418	2.079	2.552	3.213
7-1/2"	-	1.559	2.268	2.882	3.449
8"	-	1.654	2.410	3.084	3.686
8-1/2"	-	1.748	2.552	3.213	3.875
9"	-	1.985	2.835	3.597	4.347
9-1/2"	-	2.126	2.977	3.780	4.583
10"	-	2.220	3.119	3.969	4.820
10-1/2"	-	2.362	3.260	4.158	5.056
11"	-	2.457	3.402	4.347	5.292
11-1/2"	-	-	3.597	4.536	5.481
12"	-	-	3.780	4.725	5.760
12-1/2"	-	-	3.922	4.914	5.906
13"	-	-	4.064	5.103	6.143
13-1/2"	-	-	4.158	5.292	6.379
14"	-	-	4.253	5.481	6.615

EXHIBIT "A"
 "KAYLO"
 (AS MANUFACTURED BY JOHN HANVILLE)
 PIPE AND TUBE INSULATION - NET PRICE/LINEAL FOOT

ZONE I - CARLOAD

THICKNESS - SINGLE LAYER

PIPE SIZE	1"	1-1/8"	1 1/2"	2-1/8"	2"
1/2"	1.18	1.39	1.41	1.44	1.18
3/4"	1.20	1.41	1.43	1.46	1.20
1"	1.22	1.43	1.45	1.48	1.22
1 1/4"	1.24	1.45	1.47	1.50	1.24
1 1/2"	1.26	1.47	1.49	1.52	1.26
1 3/4"	1.28	1.49	1.51	1.54	1.28
2"	1.30	1.51	1.53	1.56	1.30
2 1/4"	1.32	1.53	1.55	1.58	1.32
2 1/2"	1.34	1.55	1.57	1.60	1.34
2 3/4"	1.36	1.57	1.59	1.62	1.36
3"	1.38	1.59	1.61	1.64	1.38
3 1/4"	1.40	1.61	1.63	1.66	1.40
3 1/2"	1.42	1.63	1.65	1.68	1.42
3 3/4"	1.44	1.65	1.67	1.70	1.44
4"	1.46	1.67	1.69	1.72	1.46
4 1/4"	1.48	1.69	1.71	1.74	1.48
4 1/2"	1.50	1.71	1.73	1.76	1.50
4 3/4"	1.52	1.73	1.75	1.78	1.52
5"	1.54	1.75	1.77	1.80	1.54
5 1/4"	1.56	1.77	1.79	1.82	1.56
5 1/2"	1.58	1.79	1.81	1.84	1.58
5 3/4"	1.60	1.81	1.83	1.86	1.60
6"	1.62	1.83	1.85	1.88	1.62
6 1/4"	1.64	1.85	1.87	1.90	1.64
6 1/2"	1.66	1.87	1.89	1.92	1.66
6 3/4"	1.68	1.89	1.91	1.94	1.68
7"	1.70	1.91	1.93	1.96	1.70
7 1/4"	1.72	1.93	1.95	1.98	1.72
7 1/2"	1.74	1.95	1.97	2.00	1.74
7 3/4"	1.76	1.97	1.99	2.02	1.76
8"	1.78	1.99	2.01	2.04	1.78
8 1/4"	1.80	2.01	2.03	2.06	1.80
8 1/2"	1.82	2.03	2.05	2.08	1.82
8 3/4"	1.84	2.05	2.07	2.10	1.84
9"	1.86	2.07	2.09	2.12	1.86
9 1/4"	1.88	2.09	2.11	2.14	1.88
9 1/2"	1.90	2.11	2.13	2.16	1.90
9 3/4"	1.92	2.13	2.15	2.18	1.92
10"	1.94	2.15	2.17	2.20	1.94

EXHIBIT "A"
"KAYLO"
(AS MANUFACTURED BY JOHN'S-MANVILLE)
PIPE AND TUBE INSULATION - NET PRICE/LINEAL FOOT

ZONES II & III - CL

THICKNESS - SINGLE LAYER					
PIPE SIZE	1/2"	1-1/2"	2"	2-1/2"	3"
1/2"	.294	.407	.662	.882	1.058
3/4"	.322	.432	.706	.986	1.182
1"	.338	.459	.750	.979	1.255
1-1/4"	.365	.494	.794	1.044	1.279
1-1/2"	.391	.529	.838	1.088	1.307
2"	.418	.564	.882	1.163	1.405
2-1/2"	.353	.617	.986	1.191	1.444
3"	.397	.670	1.044	1.223	1.476
3-1/2"	.441	.723	1.103	1.255	1.508
4"	.529	.776	1.191	1.288	1.540
4-1/2"	.573	.829	1.279	1.720	2.073
5"	.617	.882	1.307	1.888	2.205
5-1/2"	.706	.970	1.409	1.986	2.322
6"		1.058	1.632	2.117	2.538
6-1/2"		1.191	1.764	2.250	2.778
7"		1.323	1.940	2.470	2.999
7-1/2"		1.455	2.117	2.690	3.219
8"		1.544	2.259	2.822	3.440
8-1/2"		1.632	2.381	2.999	3.660
9"		1.852	2.486	3.352	4.057
9-1/2"		1.985	2.778	3.588	4.578
10"		2.073	2.921	3.764	4.898
11"		2.205	3.043	3.881	4.719
12"		2.293	3.175	4.057	4.939
14"			3.352	4.234	5.116
16"			3.528	4.410	5.292
18"			3.660	4.586	5.513
20"			3.793	4.763	5.733
22"			3.881	4.939	5.954
24"			3.969	5.072	6.174

EXHIBIT "A"
 "KAYLO"
 (AS MANUFACTURED BY JONES-MANVILLE)
 PIPE AND TUBE INSULATION - NET PRICE/LINEAL FOOT

ZONES II & III - LCL

THICKNESS - SINGLE LAYER

PIPE SIZE	1"	1-1/2"	2"	2-1/2"	3"
1/8"	.211	.117	.729	1.973	1.116
1/4"	.233	.176	.778	1.983	1.122
3/8"	.242	.205	.826	1.989	1.124
1-1/4"	.292	.231	.875	1.121	1.129
1-1/2"	.321	.283	.923	1.126	1.135
2"	.360	.322	.972	1.131	1.141
2-1/2"	.399	.380	1.021	1.136	1.147
3"	.437	.439	1.118	1.141	1.153
3-1/2"	.436	.497	1.215	1.621	1.159
4-1/2"	.583	.555	1.312	1.730	2.118
5-1/2"	.632	.711	1.409	2.035	2.124
6"	.680	.772	1.507	2.035	2.130
7"	.778	1.069	1.602	2.137	2.621
8"		1.166	1.798	2.133	2.629
9"		1.302	1.911	2.139	3.062
10"		1.458	2.138	2.782	3.305
11"		1.601	2.333	2.865	3.326
12"		1.731	2.479	3.116	3.791
14"		1.778	2.621	3.335	3.985
16"		2.021	2.716	3.481	4.471
18"		2.187	3.062	3.888	4.711
20"		2.281	3.208	4.082	4.997
22"		2.430	3.353	4.082	5.200
24"		2.527	3.499	4.471	5.413
26"			3.691	4.666	5.638
28"			3.828	4.860	5.832
30"			4.031	5.051	6.075
32"			4.180	5.249	6.118
34"			4.277	5.443	6.561
36"			4.374	5.599	6.801

UNIT #1 "A"
 "KAYLO"
 (AS MANUFACTURED BY JOHNS-MANVILLE)

BLOCK INSULATION - NET PRICE/SQUARE FOOT

ZONE I

Thickness	CL	ML
1"	.284	.344
1-1/4"	.321	.381
1-1/2"	.334	.394
2"	.344	.404
2-1/2"	.360	.420
3"	.372	.432
3-1/2"	.384	.444
4"	.396	.456

ZONES II & III

1"	.286	.346
1-1/4"	.321	.381
1-1/2"	.334	.394
2"	.344	.404
2-1/2"	.374	.434
3"	.389	.449
3-1/2"	.403	.463
4"	.424	.484

1/2" x 1/2" x 1/2"
 "KALLO"
 (AS MANUFACTURED BY JOHNS-MANVILLE)
 BLOCK IN ULATION - NET PRICE/SQUARE FOOT
 ANCHORAGE, ALASKA

Thickness	CL
1"	.273
1-1/4"	.345
1-1/2"	.407
2"	.545
2-1/2"	.682
3"	.812
3-1/2"	.951
4"	1.091

FAIRBANKS, ALASKA

1"	.289
1-1/4"	.340
1-1/2"	.433
2"	.576
2-1/2"	.722
3"	.867
3-1/2"	1.011
4"	1.156

EXHIBIT "A"
"KAYLO"
 (AS MANUFACTURED BY JONES-MARVILLE)
PIPE AND TUBE INSULATION - NET PRICE/LINEAL FOOT

FAIRBANKS, ALASKA - 62

PIPE SIZE	THICKNESS - SINGLE LAYER				
	1"	1-1/2"	2"	2-1/2"	3"
1/2"	.224	.468	.763	1.017	1.220
3/4	.244	.498	.811	1.068	1.373
1	.275	.529	.861	1.119	1.421
1-1/4	.305	.570	.915	1.170	1.475
1-1/2	.336	.610	.966	1.220	1.576
2	.366	.651	1.017	1.271	1.678
2-1/2	.407	.712	1.068	1.373	1.780
3	.458	.773	1.170	1.526	1.932
3-1/2	.509	.810	1.271	1.678	2.085
4	.560	.895	1.373	1.831	2.237
4-1/2	.611	.956	1.475	1.983	2.390
5	.712	1.017	1.576	2.136	2.543
6	.811	1.119	1.729	2.288	2.716
7		1.220	1.881	2.441	2.969
8		1.373	2.034	2.593	3.221
9		1.526	2.237	2.846	3.458
10		1.678	2.441	3.102	3.712
11		1.780	2.593	3.254	3.966
12		1.881	2.746	3.458	4.170
13		2.136	3.051	3.865	4.678
14		2.288	3.204	4.068	4.932
15		2.390	3.356	4.271	5.187
16		2.543	3.509	4.475	5.441
17		2.644	3.611	4.678	5.695
18			3.865	4.882	5.899
19			4.068	5.085	6.102
20			4.221	5.288	6.356
21			4.373	5.492	6.611
22			4.475	5.695	6.865
24			4.577	5.848	7.119

EXHIBIT "A"
KAYLO ACCESSORIES

<u>CANVAS</u>	<u>LOT - ZONE I</u>	
	<u>IP AND DOWN</u>	<u>IP AND UP</u>
Standard	—	.999
6 oz.	1.008	1.035
8 oz.	1.006	1.053
 <u>BANDS</u>		
2-1/2 per section	.954	—
 <u>WEATHERPROOF JACKETS</u>	1.053	1.089

EXHIBIT "A"

KAYLO ACCESSORIES

<u>CANVAS</u>	<u>CL - ZONE I</u>	
	<u>12" AND DOWN</u>	<u>12" AND UP</u>
Standard	—	.909
6 oz.	.918	.918
8 oz.	.936	.936
<u>BANJS</u>		
2-1/2 per section	.846	—
WEATHER-PROOF JACKETS	.963	.999

EXHIBIT "A"

KAYLO ACCESSORIES

<u>CANVAS</u>	<u>CL - PAIRBANKS</u>	
	<u>UP AND DOWN</u>	<u>UP AND UP</u>
Standard	---	1.071
	1.080	1.107
	1.098	1.125

<u>BANDS</u>		
2-1/2 per section	1.086	---

WEATHERPROOF JACKETS	1.125	1.161

EXHIBIT "A"
KAYLO ACCESSORIES

<u>CANVAS</u>	<u>LCL - ZONE II & III</u>	
	<u>DOWN</u>	<u>UP</u>
Standard	—	1.086
6 ea.	1.035	1.062
8 ea.	1.053	1.080
 <u>BANDS</u>		
2-3/2 per section	.981	—
 WEATHER-PROOF JACKETS	1.080	1.116

EXHIBIT "A"
KAYLO ACCESSORIES

<u>CANVAS</u>	<u>CL - ZONES II & III</u>	
	<u>1st and 2nd</u>	<u>3rd and 4th</u>
Standard		.936
6 oz.	.965	.972
8 oz.	.963	.990
<u>RAIDS</u>		
2-1/2 per section	.893	.990
WEATHERPROOF JACKETS	.990	1.086

EXHIBIT "A"
RATIO ADJUSTMENTS

<u>CANVAS</u>	<u>CZ - ANCHORAGE</u>	
	<u>IN AND DOWN</u>	<u>IN AND UP</u>
Standard	—	1.044
6 oz.	1.053	1.080
8 oz.	1.071	1.098
 <u>RAILS</u>		
2-1/2 per section	.979	—
 <u>SEA TIGHT ROOF JACKETS</u>	1.078	1.134

JOHNS-MANVILLE CORPORATION

TWENTY-TWO EAST FORTIETH STREET
NEW YORK 10, N.Y.

EXECUTIVE OFFICES

February 29, 1960

Owens-Corning Fiberglas Corp.
Toledo 1,
Ohio

Attention: Mr. J. M. Briley, Vice President

Re: Purchase of hydrous, Calcium Silicate
products

Your Letter February 17, 1960

Gentlemen:

This will acknowledge receipt of your subject
letter.

We accept your proposal to terminate, by
mutual agreement, the purchase and sale agreement as
outlined in your letter of February 17, 1960.

Very truly yours,

Johns-Manville Corporation

JLH:ls

By

Don L. Hinmon
Don L. Hinmon
Vice President & General Manager
Industrial Insulations Division

cc: Mr. J. H. Thomas - Santa Clara
Mr. L. A. Moe - Santa Clara

February 17, 1960

Johns-Manville Sales Corporation
22 East 40th Street
New York 16, N.Y.

Attention: Mr. Don Eisman, Vice President
and General Manager,
Industrial Insulations Division

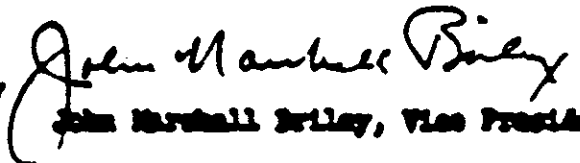
Gentlemen:

This will confirm our telephone conversation of today that effective August 15, 1960, the contract between our two companies of May 13, 1958, for the purchase and sale of certain hydrous, calcium silicate products, as amended, shall terminate by mutual agreement.

It is understood that any unfilled orders which are on your books on August 15, 1960 will be shipped to completion at prices and under the terms and conditions provided in the contract.

Very truly yours,

JOHNS-MANVILLE FIBERGLAS CORPORATION

By 
John Marshall Briley, Vice President

JMB:dv

AGREEMENT

THIS AGREEMENT, made and entered into as of the first day of January, 1958, by and between The Eagle-Picher Company, an Ohio Corporation, hereinafter referred to as "Eagle-Picher", and Owens-Corning Fiberglas Corporation, hereinafter referred to as "Owens-Corning".

WITNESSETH:

IT IS AGREED AS FOLLOWS:

(1) DESCRIPTION OF PRODUCTS

(a) "Fencoc Mineral Wool Insulating Cement" is defined as a thermal insulating cement manufactured under United States Patent No. 2,237,745, packed in 50-pound multivall paper bags bearing said patent number.

(b) "Fencoc All-Purpose Cement" is defined as a single coat, quick setting, insulating-finishing cement, packed in 50-pound bags.

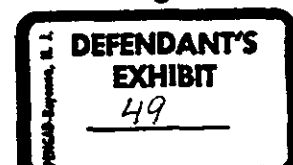
(2) REQUIREMENTS

Eagle-Picher will manufacture for and sell to Owens-Corning and Owens-Corning will buy from Eagle-Picher, Owens-Corning's requirements of those materials listed under "(1) DESCRIPTION OF PRODUCTS" as (a), (b), such commodities to be under Owens-Corning's trade marks and labels.

(3) PRICES AND TERMS

Prices and terms are set forth in Exhibit A, hereto attached and made a part hereof.

Prices may be revised by Eagle-Picher from time to time on giving notice to Owens-Corning. In the event such revised prices should be unacceptable or unsatisfactory, Owens-Corning may cancel this agreement



by giving Eagle-Picher notice in writing within thirty (30) days after receipt of notice of such revised prices.

(4) QUALITY

Commodities covered by this agreement shall conform to Eagle-Picher's standard sales specifications which apply to said commodities generally offered to the trade by Eagle-Picher.

In the event such specifications are modified or changed by Eagle-Picher, such modifications or changes shall forthwith be communicated to Owens-Corning.

Any claim for defective material, imperfect manufacture, shortage in count, or for any other cause, shall be presented to Eagle-Picher by Owens-Corning within thirty (30) days after Owens-Corning's receipt of such claim from its customers, and no claim shall be made for consequential damages.

(5) SHIPMENTS

Carload and l.c.l. shipments will be made from time to time as the wants of Owens-Corning may require, provided Owens-Corning gives to Eagle-Picher reasonable notice of the amounts of such shipments to enable Eagle-Picher to make and ship same.

(6) CONTINGENCIES

Causes beyond the control of either party, such as strikes, fires, casualties at plants, or other difficulties which make it impossible to fulfill the requirements of this agreement, shall constitute an excuse for non-performance during the period of such disability.

Eagle-Picher may add to the price stated herein any taxes or other charges imposed by governmental authority upon the sales, shipment, or use of said commodities.

(7) PATENTS

Eagle-Picher shall protect and indemnify Owens-Corning from and against all claims, damages, judgments, expenses and loss arising from the infringement or alleged infringement of any patent of the United States by any of the goods delivered hereunder; but Eagle-Picher does not warrant against infringement by reason of the use thereof in combination with other materials or in the operation of any process; and Eagle-Picher shall defend or settle at its own expense any suit or proceeding brought against Owens-Corning for such infringement, provided that Eagle-Picher is notified promptly in writing of the commencement of such suit or proceeding and is given authority, information and assistance by Owens-Corning for the defense or settlement thereof.

(8) DURATION

This agreement shall be operative for a period of one (1) year and shall continue thereafter, subject to termination by either party at any time after one (1) year subsequent to the date of executing hereof on giving the other twelve (12) months' notice in writing.

In the event of termination, Owens-Corning shall purchase from Eagle-Picher at Eagle-Picher's cost such bags bearing Owens-Corning design which Eagle-Picher may have on hand at the effective date of such termination.

(9) ASSISTANCE TO BE FURNISHED BY EAGLE-PICHER

Eagle-Picher will furnish to Owens-Corning

(a) Such sales help and counsel as Eagle-Picher Sales and Engineering Departments may be equipped to afford.

(b) Standard size samples, free of charge, in packages which will be paid for by Owens-Corning, F.O.B., Joplin, Missouri.

(10) ASSIGNMENT

This agreement shall not be assignable by either party unless the written consent of the other is first had and obtained.

(11) ENTIRE AGREEMENT

There is no understanding or agreement regarding this contract other than shown herein.

Executed in duplicate as of the day and year above written.

ATTEST:

THE EAGLE-PICHER COMPANY

By *Glenn J. Christner*

ATTEST:

OWENS-CORNING FIBERGLAS CORPORATION

By *John Marshall Bixby*

EXHIBIT "A"

OWENS-CORNING FIBERGLAS CORPORATION

NATIONAL DISTRIBUTORS' PRICE LIST

FENCO MINERAL WOOL CEMENT }
FENCO ALL-PURPOSE CEMENT } : Current Eagle-Picher T-1 (Distributor) Price,
Less 12% of Published Price, Carload or LCL,
Subject to the Following Conditions:

1. Carload orders only will be acceptable in the States of Montana, Wyoming, Colorado and New Mexico, and any states west thereof.
2. Freight on carload shipments will be allowed up to 80¢ per cwt. after equalizing freight from Trenton, New Jersey; Waukegan, Illinois; and Pittsburg, California, whichever is nearest to destination.
3. Freight on LCL shipments will be allowed up to \$1.25 per cwt., after equalizing freight from Trenton, New Jersey, and Waukegan, Illinois, whichever is nearest destination.
4. In all cases, the 12% discount will apply on the published price of Eagle-Picher Super "66", in the case of shipments of Fenco Mineral Wool Cement, and on the published price of Eagle-Picher One-Cote Cement, in the case of shipments of Fenco All-Purpose Cement. When the destination of a shipment is such that excess freight (over and above the freight allowance applicable) is charged, no commission will apply on the excess freight.



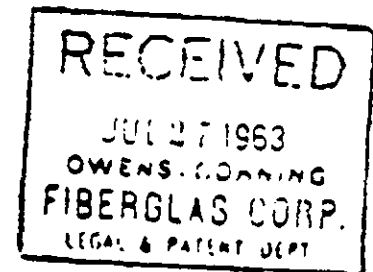
THE EAGLE-PICHER COMPANY

513-721-701

Insulation Division

AMERICAN BUILDING, CINCINNATI 1, OHIO

July 22, 1963



Mr. Tom Campbell
Owens-Corning Fiberglas Corporation
717 Fifth Avenue
New York 22, New York

Subject: Eagle-Picher Trademark "Tab-Lok"

Dear Tom:

Please consider this letter as authorization for the Owens-Corning Fiberglas Corporation's usage of The Eagle-Picher Trademark "Tab-Lok" when properly identified as a Registered Trademark of The Eagle-Picher Company. The Trademark Registration Number for this name is 657,941.

Sincerely,

THE EAGLE-PICHER COMPANY

John P. Harrington
General Sales Manager
Industrial Insulation

JPH/sm

cc: Mr. Stew Byrne, OCF, New York

DIVISIONS OF THE EAGLE-PICHER COMPANY

CHEMICALS and METALS DIVISION, Cincinnati, Ohio CHICAGO VITREOUS CORPORATION, Chicago, Illinois
FARMILAN PRODUCTS, New Hope, Michigan INSULATION DIVISION, Cincinnati, Ohio THE OHIO RUBBER COMPANY, Cincinnati, Ohio



Intra-company correspondence

to Joe Stancati

from Duane Callender

date September 10, 1979

subject EAGLE-PICHER - OCF

cc:

In answer to interrogatories that were filed in asbestos case pending in Birmingham, Alabama involving a claimant by the name of Manuel R. Williams. Eagle-Picher gave historical breakdown of their agreements with OCF. There were two product lines that were rebranded under the OCF label. The first one is Super "66" Insulating Cement and was labeled under the following OCF labels:

OC-660 Insulating Cement
FC-40 Insulating Cement
Fenco Mineral Wool Insulating Cement

The interrogatories did not indicate the dates the agreement was effective concerning these rebrand items. The other article was One-Cote Cement and that was rebranded under OCF's label as OC-110, SC-30, and Fenco All Purpose Cement. These interrogatories do not disclose the agreement dates for OC-110 and SC-30 but do indicate that the beginning of 1958 was the year that Fenco All Purpose Cement was rebranded, and they are not aware of an ending date. In this particular document, made a part of the interrogatories they note that One-Cote Cement did not contain asbestos prior to 1961.

In another part of the interrogatory they were asked the approximate asbestos content of each asbestos-containing insulation product manufactured by the company. The following information is given:

Product Super "66" Insulating Cement -	1931	-	2%
	1950	-	9%
	1969	-	3.5%
	1971	-	0%

For One-Cote Cement they give the following:

	1951	-	0%
	1960	-	3%
	1961	-	5%
	1968	-	3%
	1971	-	0%

They go on to say that while the company no longer manufactures asbestos-containing insulation products, that when they did chrysotile asbestos was used exclusively in the asbestos-containing

Joe Stancati
September 10, 1979
Page two

insulation products except for a small quantity of amosite
asbestos which was used in some of its cement in 1950.

This information may be of some use in the future.

DC:fk

The Following was retyped from Eagle-Picher's Answers to Interrogatories
in the Sammy Gray Case - Groton, Conn.

EXHIBIT I

Products Manufactured by Eagle-Picher
which were sold to Defendants

<u>Name of Material</u> <u>(Trade Name)</u>	<u>Description</u>	<u>Contents</u>
Super "66" Insulating Cement) Private Label designations: SC-40 *	Dry bulk cement composed of Eagle-Picher granulated mineral wool thoroughly blended with suitable binding, rust inhibitive, and plasticizing ingredients.	Granulated fiber, Bentonite Clay, Tri-Sodium Phosphate, Sodium Nitrite, Sulsing Agent, Asbestos (removed 1971)
Finishing Cement ("L3" Finishing Cement) (One-Cote Cement) Private label designations: SC-30 **	Durable hard white finish coating for in- door insulation on heated surfaces. Dry bulk cement composed of Eagle-Picher mineral wool and diatomaceous earth, thoroughly blended with suitable bind- ing, rust inhibitive, and plasticizing ingredients.	Asbestos, Portland Cement Granulated Mineral Wool, Bentonite Clay, Sodium Nitrate, Portland Cement, Plaster (re- moved in late 1950's), As- bestos (added 1961, removed 1971), Diatomaceous Earth
(Hylco Cement)	Same as One-Cote Cement	Granulated Mineral Wool Diatomaceous Earth, Bentonite Clay, Asbestos (removed 1971), Portland Cement, Sodium Nitrite, Sulsing Agent
(Insulseal)	Tough black fire-retardant protective coating for insulation, composed of as- bestos clay, and other additives in an asphalt base.	Emulsified Asphalt, Asbestos, Bentonite Clay, Water, Carbon Black, Methyl Alcohol

* Fenco Mineral Wool Insulating Cement.

** Fenco All-Purpose Cement.

A G R E E M E N T

THIS AGREEMENT, made and entered into as of the first day of January, 1958, by and between The Eagle-Picher Company, an Ohio Corporation, hereinafter referred to as "Eagle-Picher", and Owens-Corning Fiberglas Corporation, hereinafter referred to as "Owens-Corning".

WITNESSETH:

IT IS AGREED AS FOLLOWS:

(1) DESCRIPTION OF PRODUCTS

(a) "Fenco Mineral Wool Insulating Cement" is defined as a thermal insulating cement manufactured under United States Patent No. 2,237,745, packed in 50-pound multivall paper bags bearing said patent number.

(b) "Fenco All-Purpose Cement" is defined as a single coat, quick setting, insulating-finishing cement, packed in 50-pound bags.

(2) REQUIREMENTS

Eagle-Picher will manufacture for and sell to Owens-Corning and Owens-Corning will buy from Eagle-Picher, Owens-Corning's requirements of those materials listed under "(1) DESCRIPTION OF PRODUCTS" as (a), (b), such commodities to be under Owens-Corning's trade marks and labels.

(3) PRICES AND TERMS

Prices and terms are set forth in Exhibit A, hereto attached and made a part hereof.

Prices may be revised by Eagle-Picher from time to time on giving notice to Owens-Corning. In the event such revised prices should be unacceptable or unsatisfactory, Owens-Corning may cancel this agreement



by giving Eagle-Picher notice in writing within thirty (30) days after receipt of notice of such revised prices.

(4) QUALITY

Commodities covered by this agreement shall conform to Eagle-Picher's standard sales specifications which apply to said commodities generally offered to the trade by Eagle-Picher.

In the event such specifications are modified or changed by Eagle-Picher, such modifications or changes shall forthwith be communicated to Owens-Corning.

Any claim for defective material, imperfect manufacture, shortage in count, or for any other cause, shall be presented to Eagle-Picher by Owens-Corning within thirty (30) days after Owens-Corning's receipt of such claim from its customers, and no claim shall be made for consequential damages.

(5) SHIPMENTS

Carload and l.c.l. shipments will be made from time to time as the wants of Owens-Corning may require, provided Owens-Corning gives to Eagle-Picher reasonable notice of the amounts of such shipments to enable Eagle-Picher to make and ship same.

(6) CONTINGENCIES

Causes beyond the control of either party, such as strikes, fires, casualties at plants, or other difficulties which make it impossible to fulfill the requirements of this agreement, shall constitute an excuse for non-performance during the period of such disability.

Eagle-Picher may add to the price stated herein any taxes or other charges imposed by governmental authority upon the sales, shipment, or use of said commodities.

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Eagle-Picher shall protect and indemnify Owens-Corning from and against all claims, damages, judgments, expenses and loss arising from the infringement or alleged infringement of any patent of the United States by any of the goods delivered hereunder; but Eagle-Picher does not warrant against infringement by reason of the use thereof in combination with other materials or in the operation of any process; and Eagle-Picher shall defend or settle at its own expense any suit or proceeding brought against Owens-Corning for such infringement, provided that Eagle-Picher is notified promptly in writing of the commencement of such suit or proceeding and is given authority, information and assistance by Owens-Corning for the defense or settlement thereof.

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(a) Such sales help and counsel as Eagle-Picher Sales and Engineering Departments may be equipped to afford.

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This agreement shall not be assignable by either party unless the written consent of the other is first had and obtained.

(11) ENTIRE AGREEMENT

There is no understanding or agreement regarding this contract other than shown herein.

Executed in duplicate as of the day and year above written.

ATTEST:

THE EAGLE-FICKER COMPANY

By Glen J. Christner

ATTEST:

OWENS-CORNING FIBERGLAS CORPORATION

By John Marshall Bily

EXHIBIT "A"

OWENS-CORNING FIBERGLAS CORPORATION

NATIONAL DISTRIBUTORS' PRICE LIST

FENCO MINERAL WOOL CEMENT }
FENCO ALL-PURPOSE CEMENT } : Current Eagle-Picher T-1 (Distributor) Price,
Less 12% of Published Price, Carload or LCL,
Subject to the Following Conditions:

1. Carload orders only will be acceptable in the States of Montana, Wyoming, Colorado and New Mexico, and any states west thereof.
2. Freight on carload shipments will be allowed up to 80¢ per cwt. after equalizing freight from Trenton, New Jersey; Waukegan, Illinois; and Pittsburg, California, whichever is nearest to destination.
3. Freight on LCL shipments will be allowed up to \$1.25 per cwt., after equalizing freight from Trenton, New Jersey, and Waukegan, Illinois, whichever is nearest destination.
4. In all cases, the 12% discount will apply on the published price of Eagle-Picher Super "66", in the case of shipments of Fenco Mineral Wool Cement, and on the published price of Eagle-Picher One-Cote Cement, in the case of shipments of Fenco All-Purpose Cement. When the destination of a shipment is such that excess freight (over and above the freight allowance applicable) is charged, no commission will apply on the excess freight.

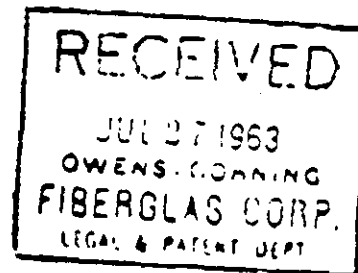


THE EAGLE-PICHER COMPANY 513-721-701

Insulation Division

AMERICAN BUILDING, CINCINNATI 1, OHIO

July 22, 1963



Mr. Tom Campbell
Owens-Corning Fiberglas Corporation
717 Fifth Avenue
New York 22, New York

Subject: Eagle-Picher Trademark "Tab-Lok"

Dear Tom:

Please consider this letter as authorization for the Owens-Corning Fiberglas Corporation's usage of The Eagle-Picher Trademark "Tab-Lok" when properly identified as a Registered Trademark of The Eagle-Picher Company. The Trademark Registration Number for this name is 657,941.

Sincerely,

THE EAGLE-PICHER COMPANY

John P. Harrington
General Sales Manager
Industrial Insulation

JPH/am

cc: Mr. Stew Byrne, OCF, New York

DIVISIONS OF THE EAGLE-PICHER COMPANY

CHEMICALS and METALS DIVISION, Cincinnati, Ohio
FABRICON PRODUCTS, River Ridge, Michigan

INSULATION DIVISION, Cincinnati, Ohio

(CHICAGO) VITREOUS CORPORATION, Chicago, Illinois

THE OHIO RUBBER COMPANY, Cincinnati, Ohio



Intra-company correspondence

to Joe Stancati

from Duane Callender

date September 10, 1979

subject EAGLE-PICHER - OCF

cc:

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FC-40 Insulating Cement
Fenco Mineral Wool Insulating Cement

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In another part of the interrogatory they were asked the approximate asbestos content of each asbestos-containing insulation product manufactured by the company. The following information is given:

Product Super "66" Insulating Cement -	1931	-	2%
	1950	-	9%
	1969	-	3.5%
	1971	-	0%

For One-Cote Cement they give the following:

	1951	-	0%
	1960	-	3%
	1961	-	5%
	1968	-	3%
	1971	-	0%

They go on to say that while the company no longer manufactures asbestos-containing insulation products, that when they did chrysotile asbestos was used exclusively in the asbestos-containing

Joe Stancati
September 10, 1979
Page two

insulation products except for a small quantity of amosite
asbestos which was used in some of its cement in 1950.

This information may be of some use in the future.

DC:fk

The Following was retyped from Eagle-Picher's Answers to Interrogatories
in the Sammy Gray Case - Groton, Conn.

EXHIBIT I

Products Manufactured by Eagle-Picher
which were sold to Defendants

<u>Name of Material</u> <u>(Trade Name)</u>	<u>Description</u>	<u>Contents</u>
— (Super "66" Insulating Cement) Private Label designation: SC-40 *	Dry bulk cement composed of Eagle-Picher granulated mineral wool thoroughly blended with suitable binding, rust inhibitive, and plasticizing ingredients.	Granulated fiber, Bentonite Clay, Tri-Sodium Phosphate, Sodium Nitrite, Sudsing Agent, Asbestos (removed 1971)
Finishing Cement (*43" Finishing Cement)	Durable hard white finish coating for in- door insulation on heated surfaces.	Asbestos, Portland Cement
— (One-Cote Cement) Private label designations: SC-30 **	Dry bulk cement composed of Eagle-Picher mineral wool and diatomaceous earth, thoroughly blended with suitable bind- ing, rust inhibitive, and plasticizing ingredients.	Granulated Mineral Wool, Bentonite Clay, Sodium Nitrate, Portland Cement, Plaster (re- moved in late 1950's), As- bestos (added 1961, removed 1971), Diatomaceous Earth
— (Hylo Cement)	Same as One-Cote Cement	Granulated Mineral Wool Diatomaceous Earth, Bentonite Clay, Asbestos (removed 1971), Portland Cement, Sodium Nitrite, Sudsing Agent
— (Insulseal)	Tough black fire-retardant protective coating for insulation, composed of as- bestos clay, and other additives in an asphalt base.	Emulsified Asphalt, Asbestos, Bentonite Clay, Water, Carbon Black, Methyl Alcohol

* Fenco Mineral Wool Insulating Cement.

** Fenco All-Purpose Cement.

510-00239-2-2-002340

MOBILESTATE CORP
C/O NEWARK AIRPORT TERMINAL
NEWARK, N J

COF SUPPLY DIVISION
41 HARRISON AVENUE
HARRISON, N J

ALL 0610.005.432 CO
INIP4 EFFECT AND I
LESS 7 POT PL
.016 METAL JKT

201-484-2000

15-16 1/2" Iron on roller and shown
on principle set 30th floor

7-24-65

ITEM	PRODUCT DESCRIPTION	PROD CODE	MARKET	UNIT PRICE

PAYCO-PLAD P/O
ALISE
01 10 X 3
P122 CTNS/

01
/ 122 STNS /

154 CTR S/

02 8 X 3
7203 CTNSV

7203 CINS/

02 8 X 3
/213 CTHS/

73496

05/06 NS 920 05/13G

31025 1
B 101-81791

11,902

1-10-68

[illegible]

247 1-100 2-13-70

3-23-70

32226 - 29000 8

OWENS-CORNING FIBERGLAS CORP
 10000 W. 10th Ave. Box 10000

9
 8
 7
 6
 5
 4
 3
 2
 1
 0
 9
 8
 7
 6
 5
 4
 3
 2
 1
 0

DATE	DESCRIPTION	AMOUNT
1965	...	...

48 144 655.08

ICE
3.74 214

14-00000

3.74 214 642 2401.08

3059.16 *

PPD FAT 190.00

PC442-Bryant, R. J.
**DEFENDANT'S
EXHIBIT**
50

You may deduct 28.69

IF PAID 10TH MOX.

12311.

[illegible]

10.220 ACCOUNTING INVOICE

Pre 1973 File Title Index
Owens-Corning Fiberglas Corporation's Asbestos Documents

The attached index lists the titles of Owens-Corning Fiberglas Corporation's Pre 1973 asbestos related files. Documents claimed as privileged and those post dating OCF's manufacture of asbestos-containing Kaylo are not located in these files. In addition, documents not relevant to the asbestos litigation, but which were physically located next to relevant materials as collected, are likewise not located in these files.

Each document removed from the files has been replaced with an easily identifiable place marker form, setting forth the reason for the document's removal. Place markers representing privileged documents identify the author and recipient of the document, the date, document type, a general subject matter description and the basis for OCF's claim of privilege. To identify documents over which a privilege is asserted, OCF makes available, upon request, an index of its privileged documents.

There is also an index, available upon request, of Post 72 file titles. In addition to listing the Post 72 files, Part II of this index also describes materials which were acquired or assembled during the course of litigation. Although not a part of the records maintained in the ordinary course of business, the non-privileged portions of these materials are available for inspection in Richmond, Virginia upon request.



PG-73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/80

source (1)	FILE TITLE (2)	BOX # (3)	FILE NO. PAGE (4)	FILE NO. PAGE (4)
Berlin Plant	Minutes of Contract Negotiation Between Owens-Corning Fiberglas Corporation Plant and the Glass Bottle Blowers Association in The Stillmore Hotel, New York City, New York, November 9, 1959	01 006	0001	0254
Berlin Plant	Contract Negotiations Meeting Minutes of Negotiations, Owens-Corning Fiberglas Corporation and Glass Bottle Blowers Assn., Local 233 Berlin, New Jersey	01 006	0255	0319
Berlin Plant	Unlabeled	01 006	0320	0531
Berlin Plant	New Contract	01 006	0532	0626
Berlin Plant	Union Correspondence 1965-1966-1967	01 006	0627	0793
Berlin Plant	Negotiation Papers; Working Conditions; Payroll History & Economics	01 006	0794	1033
Berlin Plant	Minutes Negotiations 1971	01 006	1033 01	1142
Berlin Plant	Unlabeled	01 006	1143	1341
Berlin Plant	1962 Negotiations	01 006	1342	1490
Berlin Plant	Contract Negotiations 1965	01 006	1491	1698
Berlin Plant	Contract Negotiations Oct. 1962	01 006	1699	1728
Berlin Plant	Grievances 1969-1970	01 006	1844	1973
Berlin Plant	Grievances '71-'72	01 006	1974	2176 01

PRE 73 DOCUMENTS LOCATED IN
QUESTS-CORNING FINE REAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Berlin Plant	Union - Management Minutes - 1940-1961	01 006	2377	2313
Berlin Plant	Union - Management Mtg. Minutes - 1946, 1949, 1970, 71, 72, 3, 4	01 006	2314	2477
Berlin Plant	Union - Management Minutes (1962, 1963) 1964	01 006	2478	2591
Berlin Plant	Union - Management Meeting Minutes 1965-66-67	01 006	2592	2712
Berlin Plant	Union - Management Correspondence 1948, 49, 70, 71, 72	01 006	2713	2825
Berlin Plant	G/A/I	01 009	0001	0155
Berlin Plant	Johns Manville	01 009	0156	0211
Berlin Plant	Keene Corporation	01 009	0212	0292
Berlin Plant	Unlabeled	01 009	0293	0336
Berlin Plant	Asbestos-African, North American	01 009	0375	0537
Berlin Plant	Unlabeled	01 009	0538	0548
Berlin Plant	New Materials - General Reports, etc	01 009	0549	0556
Berlin Plant	Asbestos	01 009	0557	0585
Berlin Plant	Asbestos - Carey	01 009	0586	0629

PG 73 DOCUMENTS LOCATED IN
 OUEHS-COMING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BEC PAGE	FILE END PAGE
Berlin Plant	Asbestos - Lake	01 009	0714	0828
Berlin Plant	M-18 Medical	01 107	0445	0687
Berlin Plant	Compensation Codes	01 107	0908	1074
Berlin Plant	Astma Casualty Inspections	70 001	0001	0115
Berlin Plant	Kayle 10 batch formulations	70 100	0001	0108
Berlin Plant	Batch formulations	70 100	0199	0493
Berlin Plant	Special batch formulations and numbers old K/20 K/17 batch volumes	70 100	0494	0579
Berlin Plant	Slides	70 200	0001	0826
Berlin Plant	Photos	70 200	0827	1129
Berlin Plant	Plant publications	70 300	0001	0254
Berlin Plant	Invoices			

PRE 73 DOCUMENTS LOCATED IN
 OAKS-COMBINE FIRECLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Bloomington Plant	Requests for Engineering Services	01 015	0002	0058 01
Bloomington Plant	Caution Labels	01 015	0059	0072
Bloomington Plant	Cellco, J.-B Corp., Celite Div., 1971	01 015	0109	0129
Bloomington Plant	Central Illinois Land Fill, 1971	01 015	0130	0201
Bloomington Plant	Employee Insurance	01 015	0202	0249
Bloomington Plant	Account Number 888-8248	01 015	0250	0270
Bloomington Plant	Doctor Bills	01 015	0271	0358
Bloomington Plant	Unlabeled	01 015	0359	0381
Bloomington Plant	Organization Chart	01 015	0382	0428
Bloomington Plant	General Services Admin.	01 022	0176	0201
Bloomington Plant	General Services Adm.	01 022	0202	0308
Bloomington Plant	Unlabeled	01 022	0779	0786
Bloomington Plant	Monthly Reports -- 1971 to July 1971	01 022	0976	1014
Bloomington Plant	Monthly Reports, 1972	01 022	1015	1023
Bloomington Plant	Unlabeled	01 022	1024	1045

PM 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	Unlabeled	01 Q22	1146	1150
Bloomington Plant	Unlabeled	01 Q22	1151	1160
Bloomington Plant	Unlabeled	01 Q22	1178	1179
Bloomington Plant	General Services Administration	01 Q23	1074	1099
Bloomington Plant	General Services Adm.	01 Q23	1100	1197
Bloomington Plant	General Services Administration	01 Q23	1198	1274
Bloomington Plant	Unlabeled	01 Q23	1309	1409
Bloomington Plant	Unlabeled	01 Q25	0456	0476
Bloomington Plant	North American Asbestos Corp.	01 Q25	0477	0536
Bloomington Plant	Unlabeled	01 Q29	0001	0158
Bloomington Plant	General Services Administration	01 Q29	0159	0284
Bloomington Plant	General Services Adm.	01 Q29	0475	0588
Bloomington Plant	1970-1971 Physical Examinations	01 Q29	0589	0815
Bloomington Plant	General Services Administration	01 Q29	0816	0844

PRE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Blossington Plant	Medical Program, Dr. Kanzen	01 029	0068	1009
Blossington Plant	Unlabeled	01 029	1209	1252
Blossington Plant	North American Asbestos Corp.	01 029	1253	1375
Blossington Plant	General Dynamics 1st Shipment	01 029	1376	1472
Blossington Plant	April 72, Syrac 23	01 029	1742	1761
Blossington Plant	Dust Collection F3C-3	01 029	1850	1897
Blossington Plant	Combustion Equipment and Insulation Company	01 029	1898	1963
Blossington Plant	EPA Asbestos Regulations f3b-3	01 071	0001	0139
Blossington Plant	Notices Posted f2H-3	01 071	0140	0235
Blossington Plant	OSHA f3b-2	01 071	0236	0484
Blossington Plant	Toxicology MB, Asbestos f3b-14	01 071	1407	1747
Blossington Plant	Public Relations - General f3A-1	01 071	1748	1939
Blossington Plant	Plant Medical Program Monthly, Kanzen, KOP f3b-12	01 071	1940	2106
Blossington Plant	Safety - General (Program, Letters Literature) f3b-6	01 072	0001	0134

THE 73 DOCUMENTS LOCATED IN
QUEST'S CHAMBER FILING AS COMPANION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
Bloomington Plant	Hygiene - SPI, f30-10	01 072	0139	0182
Bloomington Plant	Asbestos Amosite 9H, GSA, Washington, DC 1971	01 072	0183	0191
Bloomington Plant	Grievances	01 072	0192	0535
Bloomington Plant	B-E Grade Amosite Asbestos GSA	01 072	0536	0652 01
Bloomington Plant	Plant Newsletter f20-1	01 072	0653	0813
Bloomington Plant	Wage Surveys f20-5	01 072	0814	0928
Bloomington Plant	Medical-Administrative-f30-16	01 072	0968	0990
Bloomington Plant	Nursing Program - Plant f30-13	01 072	0991	1022
Bloomington Plant	Factory Mutual Inspection Reports f30-11	01 072	1023	1035
Bloomington Plant	Seniority List 1972	01 072	1036	1070 01
Bloomington Plant	Hygiene Surveys - Air f30-7	01 072	1071	1179
Bloomington Plant	Labor/Management Meetings f20-4	01 072	1180	1244
Bloomington Plant	Episode Action Plan f21-2	01 072	1245	1261
Bloomington Plant	Safety Inspections - Plant f30-4	01 072	1262	1340
Bloomington Plant	Union Grievances f20-6	01 072	1341	1391
Bloomington Plant	Safety Inspections - Aetna f30-5	01 072	1392	1525

PER 73 DOCUMENTS LOCATED IN
QUESTS LOANING FIDELIAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE END PAGE
Bloomington Plant	901's, 1972 and Prior 134-10	01 072	1526	1622
Bloomington Plant	Spec. Union Information 128-3	01 072	1623	1649
Bloomington Plant	Tollie Presented 128-2	01 072	1650	1685
Bloomington Plant	Monthly Reports -- 1971 to July 1971	01 077	0001	0181
Bloomington Plant	Dept. Managers Monthly Report 1970	01 077	0182	0370
Bloomington Plant	Monthly Reports 1972	01 077	0371	0392
Bloomington Plant	Monthly Reports Aug 1971 to Dec. 1971	01 077	0393	0540
Bloomington Plant	Hopson Bros (Wayne Hfg)	01 077	0541	0602
Bloomington Plant	Syrac 901s	01 077	0603	0668
Bloomington Plant	Oil Asbestos	01 077	1148	1167
Bloomington Plant	Grievances 1970	01 077	1168	1247
Bloomington Plant	US/CG/Marad	01 077	1664	1677
Bloomington Plant	US Marketing	01 077	1678	1617
Bloomington Plant	US Process Reports	01 077	1618	1963
Bloomington Plant	C.S. Blodgett	01 077	2406	2422

PAGE 73 DOCUMENTS LOCATED IN
 OUEHS-COMMINS FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BMC PAGE	FILE END PAGE
Bloomington Plant	901's, 1972 and Prior 1X-10	01 072	1526	1622
Bloomington Plant	Bloc. Union Information 12B-3	01 072	1623	1649
Bloomington Plant	Talks Presented 12B-2	01 072	1650	1685
Bloomington Plant	Monthly Reports -- 1971 to July 1971	01 077	0001	0181
Bloomington Plant	Dept. Managers Monthly Report 1970	01 077	0182	0370
Bloomington Plant	Monthly Reports 1972	01 077	0371	0392
Bloomington Plant	Monthly Reports Aug. 1971 to Dec. 1971	01 077	0393	0540
Bloomington Plant	Hopson Bros (Wayne Bldg)	01 077	0541	0602
Bloomington Plant	Iyrcor 901s	01 077	0603	0648
Bloomington Plant	DE Asbestos	01 077	1148	1167
Bloomington Plant	Grievances 1970	01 077	1168	1247
Bloomington Plant	UA/CG/Marad	01 077	1444	1477
Bloomington Plant	UB Marketing	01 077	1478	1617
Bloomington Plant	UB Process Reports	01 077	1618	1963
Bloomington Plant	C. S. Blodgett	01 077	2406	2422

FILE 73 DOCUMENTS LOCATED IN
 QUENTIS-CONTAINING FIRM/CLAS CORPORATION
 ASSESS DOCUMENT OF POSSESSION

10/31/89

SOURCE	FILE TITLE	MON #	FILE REC PAGE	FILE END PAGE
Bloomington Plant	Syracuse Hotel	01 077	2423	2452
Bloomington Plant	Unlabeled	01 077	2504	2515
Bloomington Plant	Syracuse Economics	01 077	2402	2459
Bloomington Plant	US Print	01 077	2440	2447
Bloomington Plant	Bloomington Plant Setup - 1971	01 077	2448	2475
Bloomington Plant	Meetinghouse	01 077	2708	2752
Bloomington Plant	Personnel - Benefits Workmen's Compensation	01 090	0090	0279
Bloomington Plant	B. S. Atkinson - Medical Info.	01 090	0280	0302
Bloomington Plant	Personnel Physicals - Dept. Mgrs.	01 090	0303	0307
Bloomington Plant	Insurance Workmen's Comp. Report 1972-75	01 090	0373	0577
Bloomington Plant	Packaging	01 090	0578	0741
Bloomington Plant	J. M. Muehl - Syracuse Info	01 090	0742	0764
Bloomington Plant	Safety Committee 1970-71	01 090	0780	0862
Bloomington Plant	Safety Inspection - Corp. Safety	01 090	0863	0894
Bloomington Plant	Safety, National Safety Council	01 090	0954	1529

PAGE 73 DOCUMENTS LOCATED IN
 QUINCY-CORNING FINEARTS CORPORATION
 ARTISTS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
Bloomington Plant	Safety, OSHA up to Date (MSL)	01 090	1785	2016
Bloomington Plant	Safety, OSHA Report Man B Manager	01 090	2017	2252
Bloomington Plant	Dr. G. B. McInerney	01 091	0581	0623
Bloomington Plant	John L. Korman - Medical	01 091	0626	0631
Bloomington Plant	Medical: Employee Medical Exam Annual	01 091	0632	0641
Bloomington Plant	Physicals 1972	01 091	0758	0829
Bloomington Plant	Physicals - 1974-75	01 091	0808	0978
Bloomington Plant	Monthly Reports, Current	01 091	1128	1240
Bloomington Plant	Medical Corres. Pending	01 091	1274	1585
Bloomington Plant	Respirators - Masks - etc.	01 091	1586	1709
Bloomington Plant	Warehouse Procedure	01 091	1710	1742
Bloomington Plant	Safety, OSHA Corresp Corp.	01 091	1743	1820
Bloomington Plant	J. Babb - Arbitration	01 092	0001	0040
Bloomington Plant	U.S. Department of Labor, Safety and Health	01 100	0001	0078

PRE 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
	Survey			
Bloomington Plant	William Johnson	01 100	0079	0139
Bloomington Plant	Unlabeled	01 100	0205	0555
Bloomington Plant	Unlabeled	01 100	0556	0664
Bloomington Plant	Communication to former OCI Employees	01 100	1476	1839
Bloomington Plant	Unlabeled	01 100	1840	2037
Bloomington Plant	Sink Shipping Letter, January 1967 thru June 1967	01 100	2093	2137
Bloomington Plant	K-17	01 501	1193	1306
Bloomington Plant	901's	60 001	0847 02	0857 01
Bloomington Plant	OSHA Form 100, 102, 1971-1973	60 001	1045	1072 01
Bloomington Plant	Arbitration - Medical Exams 1972	60 001	1081 02	1088 01
Bloomington Plant	Unlabeled (OSHA Form 100, 102 1971 1973)	60 002	0001	0015
Bloomington Plant	Unlabeled	60 002	0016	0022

FOR 75 DOCUMENTS LOCATED IN
OAKRIDGE-CLARKSON FINEARTS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Bloomington Plant	Unlabeled	40 002	0023	0045
Bloomington Plant	Unlabeled (Invoice copies)	40 002	0046	0088
Bloomington Plant	Unlabeled (Union Contract Book Invoices)	40 002	0089	0100
Bloomington Plant	Unlabeled (Invoice Copies - Bicalite)	40 002	0101	0115
Bloomington Plant	Unlabeled (Flyer Write-off)	40 002	0116	0174
Bloomington Plant	Unlabeled (Cheabest Division Reports)	40 002	0175	0225
Bloomington Plant	Unlabeled (Cheabest Status Reports)	40 002	0226	0248
Bloomington Plant	Unlabeled (Process & Quality Control Monthly Reports)	40 002	0249	0276
Bloomington Plant	Unlabeled (Cheabest Monthly Reports)	40 002	0277	0294
Bloomington Plant	Unlabeled (Engr. & Mtlcr. Monthly Reports)	40 002	0295	0324
Bloomington Plant	Unlabeled (Various Monthly Reports)	40 002	0325	0370
Bloomington Plant	Unlabeled (Personnel & Purchasing Monthly Reports)	40 002	0371	0402
Bloomington Plant	Unlabeled (Personnel Monthly Report)	40 002	0403	0408
Bloomington Plant	Unlabeled (Property & Equip. Records)	40 002	0409	0431
Bloomington Plant	Unlabeled (Invoice copies)	40 002	0432	0490

PM-73 DOCUMENTS LOCATED IN
OAKS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE 100 PAGE
Bloomington Plant	Unlabeled (Invoice copies)	60 002	0491	0554
Bloomington Plant	Unlabeled (Interoffice Correspondence)	60 002	0555	0609
Bloomington Plant	Unlabeled (Contract Agreement)	60 002	0610	0666
Bloomington Plant	Unlabeled (Plant Physician)	60 002	0667	0686
Bloomington Plant	May 1971	60 002	0819	0841
Bloomington Plant	February - Partial 1971	60 002	0842	0844
Bloomington Plant	April Closing 1971	60 002	0845	0858
Bloomington Plant	Backup Papers for 1972 Closing	60 002	0859	0992
Bloomington Plant	Sept. 1962	60 002	0993	1001
Bloomington Plant	August 1972	60 002	1002	1006
Bloomington Plant	July 1972	60 002	1007	1019
Bloomington Plant	June 1972	60 002	1020	1053
Bloomington Plant	May 1972	60 002	1054	1087
Bloomington Plant	April 1972	60 002	1088	1091
Bloomington Plant	March 1972	60 002	1092	1120
Bloomington Plant	Feb. 1972	60 002	1121	1152

PAGE 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Bloomington Plant	Jan. 1972	60 002	1153	1243
Bloomington Plant	A21-0007 Dust Collection Bldg. see A21 003	60 003	0001	0005
Bloomington Plant	A21-0012 Standard Test Equip. Instron	60 003	0006	0020
Bloomington Plant	A21-0015 Speed Reducer for Board Mixer	60 003	0021	0031
Bloomington Plant	A21-0016 Mold Heads	60 003	0032	0042
Bloomington Plant	A21-0018 Sycor Trio Saw	60 003	0043	0048
Bloomington Plant	A21-0024 3 in. x 8 in. Sycor Mold	60 003	0049	0066
Bloomington Plant	A21-0025 Rebuild Roof in Selected Areas, Cancelled	60 003	0067	0073
Bloomington Plant	A21-0026 4 in. x 10 in. Sycor Mold	60 003	0074	0088
Bloomington Plant	A21-0030 Convert #4 Sycor Oven to Longitudinal flow	60 003	0089	0104
Bloomington Plant	A21-0033 Sycor Water Nozzle	60 003	0105	0133
Bloomington Plant	A21-0035 Dust Collection Equip. in Plant	60 003	0134	0148
Bloomington Plant	A21-0032 Relocate Unarco Board Fabrication Equipment	60 003	0149	0164
Bloomington Plant	A21-1942-W/O-5004 Unarco Board Molds	60 003	0165	0445

PRE-73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
Bloomington Plant	821-2401-W/O-5017 Fyrcor Relocation Capital	60 003	0446	0502
Bloomington Plant	821-2401-W/O-5024 Boiler Bldg.	60 003	0503	0519
Bloomington Plant	821-2401-W/O-5025 Standard Test Equip. - Lab	60 003	0520	0528
Bloomington Plant	821-2402-W/O-5026 Fyrcor Relocation Expense	60 003	0529	0627
Bloomington Plant	821-2401-W/O-5027 Mold Books	60 003	0628	0634
Bloomington Plant	821-2401-W/O-5028 Speed Reducer for Board Riser	60 003	0635	0644
Bloomington Plant	821-2401-W/O-5041 Fyrcor Iris Saw	60 003	0647	0692
Bloomington Plant	821-2401-W/O-5022 Environmental Dust Control, Material	60 003	0693	0906
Bloomington Plant	821-2401-W/O-5045 3 in. x 8 in. Fyrcor Mold	60 003	0907	0919
Bloomington Plant	821-2401-W/O-5047 4 in. x 10 in. Fyrcor Mold	60 003	0920	0949
Bloomington Plant	821-2401-W/O-5049 84 Fyrcor Oven Conversion - Capital	60 003	0950	1021
Bloomington Plant	821-7578-W/O-5050 84 Fyrcor Oven Conversion - Expense	60 003	1022	1029
Bloomington Plant	821-2401-W/O-5055 3 in. x 8 in. Mold Abandonment	60 003	1030	1033
Bloomington Plant	821-2401-W/O-5056 4 in. x 10 in. Mold Abandonment	60 003	1034	1037

PM 73 DOCUMENTS LOCATED IN
QUESTS COMBINE FIRECLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	W/O-5047 LRS Pipe Equipment	60 003	1036	1040
Bloomington Plant	W/O-5070-Storage Tank	60 003	1041	1043
Bloomington Plant	021-2404-W/O-5057 Fyrcoor Oven Steel Plates	60 003	1044	1050
Bloomington Plant	021-004 Unarcboard Edge Trim Saw	60 003	1051	1054
Bloomington Plant	021-006 Bust Collection	60 003	1055	1067
Bloomington Plant	021-007 Fyrcoor Trim Saw	60 003	1068	1072
Bloomington Plant	021-008 Fyrcoor Molds	60 003	1073	1077
Bloomington Plant	021-009 Fyrcoor Equip. Search	60 003	1078	1079
Bloomington Plant	021-012 Fire Protection Equip.	60 003	1080	1086
Bloomington Plant	021-013 Hydraulic Positioner on Fyrcoor Press Pan	60 003	1089	1091
Bloomington Plant	021-014 Vacuum System on Fyrcoor Press	60 003	1092	1093
Bloomington Plant	021-015 Fyrcoor Transfer System	60 003	1094	1095
Bloomington Plant	021-001 Unarcboard Ovens	60 003	1096	1106
Bloomington Plant	021-005 Relocation of fabricating equip	60 003	1107	1110
Bloomington Plant	021-00-00419 Unarcboard Press	60 003	1111	1114

PRE 73 DOCUMENTS LOCATED IN
 OWENS-CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	021-F.O.-00425 New Sycor Hoids	60 003	1115	1171
Bloomington Plant	021-F.O.-00429 Sycor Sanders	60 003	1172	1224
Bloomington Plant	021-F.O.-00430 K-17 Exp. Run	60 003	1225	1240
Bloomington Plant	021-F.O.-00432 Sycor Owens	60 003	1241	1263
Bloomington Plant	F.O.-00435 K-17 Equip.	60 003	1264	1292
Bloomington Plant	F.O.-00436 BA Sycor Oven Conversion	60 003	1293	1352
Bloomington Plant	021-F.O.-00441 Sycor Motor Section	60 003	1353	1355
Bloomington Plant	Copies of 591's	60 003	1356	1379
Bloomington Plant	Insurance-Group Pending Correspondence, Actna	60 003	1380	1442
Bloomington Plant	Safety Monthly Accident Analysis - 1972, 1975	60 003	1443	1448
Bloomington Plant	PS No. 1484	60 004	0009	0023
Bloomington Plant	PS No. 1505	60 004	0024	0041
Bloomington Plant	Safety OSHA - Reporting forms 100-101-102	60 004	0001	0032
Bloomington Plant	Local Publicity	60 004	0033	0040

PM 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Bloomington Plant	fyrcoar test Results	60 005	0006	0007
Bloomington Plant	Wrethane Panning I O.	60 005	0008	0014
Bloomington Plant	Unsurcboard Moisture test	60 005	0015	0022
Bloomington Plant	fyrcoar	60 005	0023	0047
Bloomington Plant	Inter-Department Transfers	60 005	0048	0050
Bloomington Plant	QC Reference, Technicians Copy 3/11/70	60 005	0051	0058
Bloomington Plant	factory Orders Audited	60 005	0059	0069
Bloomington Plant	Inter-Office Correspondence	60 005	0070	0074
Bloomington Plant	test Procedures other than Run Stock tests	60 005	0075	0080
Bloomington Plant	Unsurcboard Procedures	60 005	0081	0102
Bloomington Plant	Quality Audit	60 005	0103	0108
Bloomington Plant	fyrcoar 36 QC 3/4 in. Underwriters	60 005	0109	0156
Bloomington Plant	Master Copies - form test forms	60 005	0160	0163
Bloomington Plant	Pipe Covering Correspondence	60 005	0164	0169
Bloomington Plant	Safety Committee	60 005	0170	0175
Bloomington Plant	IMI Hardness Tester	60 005	0201	0216

PRE 73 DOCUMENTS LOCATED IN
OURMS (OASIS) FIMBOLAS CORPORATION
AUSTIN TEXAS DOCUMENT DEPOSITION

10/31/99

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Bloomington Plant	Jerry Mech Misc. Information	60 005	0217	0237
Bloomington Plant	J. Mech, Fyrco Audit forms - Complete	60 005	0238	0240
Bloomington Plant	340	60 005	0241	0256
Bloomington Plant	340	60 005	0257	0273
Bloomington Plant	Purchase Orders	60 005	0274	0283
Bloomington Plant	Fyrco 23 March 1972	60 005	0290	0323
Bloomington Plant	Fyrco 23 71	60 005	0324	0386
Bloomington Plant	1971 Fyrco 36 Underwriters	60 005	0387	0447
Bloomington Plant	Fyrco 23 Jan. 1972	60 005	0448	0459
Bloomington Plant	Fyrco 36 May 1972 1/2 in. x 4 in. x 8 in.	60 005	0460	0468
Bloomington Plant	Fyrco 36 8 1/2 in. Underwriters	60 005	0469	0528
Bloomington Plant	Fyrco 36 March 1972	60 005	0529	0554
Bloomington Plant	Fyrco 36 PLS	60 005	0555	0558
Bloomington Plant	6-18-71 Fyrco Cure test 340 degrees to 400 degrees	60 005	0559	0567
Bloomington Plant	6-28-71 340 degrees to 400 degrees Fyrco Cure test	60 005	0568	0582

PM 73 DOCUMENTS LOCATED IN
OUTING-COMING FILMGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Bloomington Plant	6-14-71 Fyrcor Cure Test	60 005	0583	0607
Bloomington Plant	Sample Fyrcor Meeting	60 005	0608	0613
Bloomington Plant	Fyrcor Raw Material Test	60 005	0614	0632
Bloomington Plant	7-28-71 Kayla Boards	60 005	0633	0635
Bloomington Plant	Fyrcor Impressions Tests	60 005	0636	0650
Bloomington Plant	Fyrcor Specification	60 005	0651	0670
Bloomington Plant	Fyrcor	60 005	0671	0678
Bloomington Plant	36 MS Fyrcor Test	60 005	0679	0682
Bloomington Plant	Fyrcor Density & Modulus Form	60 005	0683	0699
Bloomington Plant	Fyrcor Press	60 005	0700	0702
Bloomington Plant	Fyrcor Test Moisture Meter	60 005	0703	0721
Bloomington Plant	Fyrcor Shrinkage Test	60 005	0722	0748
Bloomington Plant	Fyrcor Screw Pull Test	60 005	0749	0774
Bloomington Plant	CA5 Fyrcor	60 005	0775	0784
Bloomington Plant	Fyrcor Blodgett	60 005	0785	0800
Bloomington Plant	Sample Order Form	60 005	0801	0814

PAGE 23 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE PAGE
Bloomington Plant	Sample Orders	60 005	0815	0837
Bloomington Plant	Experimental Uncolored	60 005	0890	1895
Bloomington Plant	228	60 005	0896	1008
Bloomington Plant	Complaints Uncolored	60 005	1083	1218
Bloomington Plant	0600 to 301 Feb. 1972	60 006	0001	0167
Bloomington Plant	0600 to 301 Jan. 1972	60 006	0168	0325
Bloomington Plant	0600 to 301 April	60 006	0326	0516
Bloomington Plant	0600 to 301 March 1972	60 006	0517	0731
Bloomington Plant	Batch Materials Used 301 Dec. 1973	60 006	0732	1043
Bloomington Plant	Inter-Department Transfers	60 006	0842	1217
Bloomington Plant	Miscellaneous Documents	60 006	1218	1379
Bloomington Plant	'A' Billings (copies)	60 006	1380	1504
Bloomington Plant	Unlabeled (Inter-Department Transfers)	60 006	1505	1514
Bloomington Plant	Unlabeled (Production Reports)	60 006	1515	1685
Bloomington Plant	Unlabeled (Production Reports)	60 006	1686	1900

PM-73 DOCUMENTS LOCATED IN
 QUENTZ-CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG PAGE	FILE END PAGE
Bloomington Plant	Unlabeled (Production Reports)	60 006	1961	2191
Bloomington Plant	Unlabeled (Production Reports)	60 006	2192	2265
Bloomington Plant	Unlabeled (Inter-Department Transfers)	60 006	2266	2372
Bloomington Plant	Freight Bills - FE - Oct.-Dec. 1971	60 007	0001	0207 02
Bloomington Plant	Freight Bills - FE - Oct.-Dec. 1972	60 007	0207 03	0208 01
Bloomington Plant	Freight Bills - FE - July-Sept. 1972	60 007	0208 02	0209 01
Bloomington Plant	Freight Bills - FE - April-June 1972	60 007	0209 02	0295 01
Bloomington Plant	Freight Bills - FE - July-Sept. 1971	60 007	0295 02	0547 01
Bloomington Plant	Freight Bills - FE - Jan.-March 1971	60 007	0547 02	0823 01
Bloomington Plant	Freight Bills - FE - May-Sept. 1970	60 007	0823 02	1065 01
Bloomington Plant	Freight Bills - FE - Oct.-Dec. 1970	60 007	1065 02	1302 01
Bloomington Plant	Freight Bills - FE - Apr.-June 1971	60 007	1302 02	1523 01
Bloomington Plant	Freight Bills - FE - Oct.-Dec. 1970	60 007	1523 02	1812 01
Bloomington Plant	Freight Bills - FE - May-Sept 1970	60 007	1812 02	2112 01
Bloomington Plant	Freight Bills - FE - Apr.-June 1971	60 007	2112 02	2411 01

PRE-73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Bloomington Plant	Freight Bill - 1E - Jan - March 1971	60 007	2411 02	2580 01
Bloomington Plant	Bill of Lading, 12/29/72	60 008	0251	0316
Bloomington Plant	Bill of Lading	60 008	0317	0573
Bloomington Plant	Bill of Lading	60 008	0574	0856
Bloomington Plant	Unlabeled	60 010	0001	0020
Bloomington Plant	Unlabeled	60 010	0021	0025
Bloomington Plant	Unlabeled	60 010	0026	0030 01
Bloomington Plant	American Asbestos Co.	60 010	0031	0035
Bloomington Plant	Canadian Johns-Manville Co., Ltd.	60 010	0036	0046
Bloomington Plant	Johns-Manville Sales Corp.	60 010	0047	0189
Bloomington Plant	Industrial Testing Lab	60 010	0190	0227
Bloomington Plant	Mine Safety Appliance Co.	60 010	0228	0331
Bloomington Plant	Protective Equipment	60 010	0332	0339
Bloomington Plant	Nicalot Industries, Inc.	60 010	0340	0342

PRE 73 DOCUMENTS LOCATED IN
OUREUS-CONRINE FIREARMS CORPORATION
ATMOSPHERIC DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Bloomington Plant	Order Blanks, Letters, 5 cent Stamp Federal Specifications	60 010	0343	0805
Bloomington Plant	Unlabeled	60 010	0806	0852
Bloomington Plant	Atlantic Products Co.	60 012	0001	0006
Bloomington Plant	Payroll Sheets	60 012	0046	0369
Bloomington Plant	Return Shipment Authorizations	60 014	0404	0668
Bloomington Plant	1971 Purchase Orders	60 014	0469	0767
Bloomington Plant	Purchase Order Register 1972	60 014	0748	0813
Bloomington Plant	General Services Administration 1971	60 014	0816	0856
Bloomington Plant	'C' Billings 1971	60 014	0855	0925
Bloomington Plant	Safety Equipment	60 014	0926	1036
Bloomington Plant	Materials and Supplies Inventory - Newark Plant	60 014	1037	1651
Bloomington Plant	Materials and Supplies Inventory	60 014	1652	1657
Bloomington Plant	Duct Ventilation Co.	60 014	1658	1663
Bloomington Plant	Purchasing Procedures	60 014	1664	1691

PRE-75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	ROW #	FILE REF. PAGE	FILE TIME PAGE
Bloomington Plant	(General) 1970s	60 015	0001	0019
Bloomington Plant	Unlabeled (Invoices)	60 015	0020	0030
Bloomington Plant	Unlabeled (Invoices)	60 015	0031	0044
Bloomington Plant	Unlabeled (Invoices)	60 015	0045	0058
Bloomington Plant	Unlabeled (Unit Cards)	60 015	0059	0093
Bloomington Plant	MC 5700 Appropriation	60 015	0094	0105
Bloomington Plant	Unlabeled (Work Orders; Property & Equipment Records)	60 015	0106	0180
Bloomington Plant	Schedule 21	60 015	0181	0203
Bloomington Plant	Property Reports	60 015	0204	0246
Bloomington Plant	1971 - Sales Invoice	60 015	0247	0282
Bloomington Plant	Open Appropriation Over 60 days - MC 600A	60 015	0283	0293
Bloomington Plant	Run MC-0900	60 015	0294	0315
Bloomington Plant	Unlabeled (Appropriations Computer Sheets)	60 015	0316	0340
Bloomington Plant	Run MC-3400	60 015	0341	0353
Bloomington Plant	Request for Approval to Refine Capitalized Property	60 015	0354	0368

PM 73 DOCUMENTS LOCATED IN
 CHEMIS-COMBINE FIDELITAS CORPORATION
 ADMISTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Blossington Plant	July 1971	60 015	0509	0513
Blossington Plant	July 1971	60 015	0514	0535
Blossington Plant	Property	60 015	0536	0553
Blossington Plant	Jan. 1972	60 015	0554	0660
Blossington Plant	November 1971	60 015	0641	0669
Blossington Plant	March 1971	60 015	0670	0682
Blossington Plant	April 1971	60 015	0683	0688
Blossington Plant	June 1971	60 015	0689	0793
Blossington Plant	Blossington 6/1/71	60 015	0794	0893
Blossington Plant	Feb. 1971	60 015	0894	0982
Blossington Plant	Invoice, March 1972	60 015	0983	0992
Blossington Plant	April	60 015	0993	0999
Blossington Plant	July 1972 & Invoices & IV	60 015	1000	1028
Blossington Plant	June 1972 & Invoice	60 015	1029	1034
Blossington Plant	December 1972 & Invoices	60 015	1037	1048
Blossington Plant	May 1972	60 015	1049	1052

PRE-73 DOCUMENTS LOCATED IN
 OAKS-CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Bloomington Plant	Nov. 1972 @ Invoices	60 015	1053	1056
Bloomington Plant	Oct. 1972 @ Invoices	60 015	1057	1060
Bloomington Plant	Feb. 1971	60 015	1061	1208
Bloomington Plant	January 1971	60 015	1209	1212
Bloomington Plant	Sept. 1972 @ Invoices	60 015	1213	1390
Bloomington Plant	August 1972 @ Invoices IV	60 015	1391	1595
Bloomington Plant	Product Costs	60 016	0001	0127
Bloomington Plant	Job Costs	60 016	0128	0167
Bloomington Plant	Air Control & Engineering Co. 1970	60 016	0168	0177
Bloomington Plant	Bartlett Asbestos & Cork Inc. 1970	60 016	0178	0192
Bloomington Plant	G. S. Blodgett Co., Inc. 1970	60 016	0193	0221
Bloomington Plant	Dubuque Boat & Boiler Co. 1970	60 016	0222	0234
Bloomington Plant	Evans Products Co. 1970	60 016	0235	0275
Bloomington Plant	Cookate, Inc. 1970	60 016	0276	0286
Bloomington Plant	General Electric Company (Blount) 1970	60 016	0287	0305

PAGE 73 DOCUMENTS LOCATED IN
 OMAHA - COMING FIDELITY CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	The Melt Company 1970	60 016	0306	0316
Bloomington Plant	Insulation, Inc. 1970	60 016	0332	0347
Bloomington Plant	Insul Asbestos Products Co. 1970	60 016	0348	0366
Bloomington Plant	Insul - Illinois Thermal Insulation 1970	60 016	0367	0390
Bloomington Plant	V-00038 (John-Merrill)	60 016	0391	0405
Bloomington Plant	6 yr. Plan	60 017	0816	0865
Bloomington Plant	Open I/O's - 1971	60 017	1031	1036
Bloomington Plant	Cancelled P.O.	60 017	1037	1039
Bloomington Plant	Codes	60 018	0001	0040
Bloomington Plant	Credit Memo	60 018	0041	0045
Bloomington Plant	1971 Cost Request Rept. 303 - Liquids	60 018	0046	0049
Bloomington Plant	1971 Cost Request Rept. 301 & 302	60 018	0050	0137
Bloomington Plant	'Snyder - 1971'	60 018	0138	0144
Bloomington Plant	Fin. Reports - Toledo	60 018	0145	0238

PREF 73 DOCUMENTS LOCATED IN
 QUARTS (OILING) FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
Bloomington Plant	Slow Moving Inventory	60 018	0239	0251
Bloomington Plant	Monthly Report - Cost & Accounting 1971	60 018	0254	0317
Bloomington Plant	Notes, U.S., 1971	60 018	0318	0340
Bloomington Plant	Inventory, 1971	60 018	0341	0340
Bloomington Plant	ICG Information, 1971	60 018	0341	0379
Bloomington Plant	Keep Ford	60 018	0380	0397
Bloomington Plant	Labour Daily Recap	60 018	0398	0475
Bloomington Plant	Bloomington Personnel 1971	60 018	0476	0483
Bloomington Plant	Monthly Report - M. Janssen, 1971	60 018	0484	0547
Bloomington Plant	Monthly Report - B. Means, 1971	60 018	0548	0610
Bloomington Plant	Monthly Report - K.O. Preston, 1971	60 018	0611	0628
Bloomington Plant	Monthly Report - Process & Q.C., 1971	60 018	0629	0646
Bloomington Plant	Monthly Report - Production, Eng & Maintenance, 1971	60 018	0647	0696
Bloomington Plant	Price & Purchasing	60 018	0697	0699
Bloomington Plant	Payroll Weekly	60 018	0700	0835

PRE 73 DOCUMENTS LOCATED IN
QUEST-CONING FINEAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/99

SOURCE	FILE TITLE	BOX #	FILE NO PAGE	FILE NO PAGE
Bloomington Plant	Gross Margin	40 018	0836	0866
Bloomington Plant	Proprietary Info, Ocf	40 018	0867	0879
Bloomington Plant	Valuation Earned	40 018	0880	0961
Bloomington Plant	Status Reports	40 018	0962	1056
Bloomington Plant	M. Wilham	40 018	1057	1081
Bloomington Plant	Undeleted	40 018	1082	1441
Bloomington Plant	Account New Materials filed	40 018	1442	2118
Bloomington Plant	Nine Safety Appliance Co.	40 019	0341	0405
Bloomington Plant	Protective Equip. Co.	40 019	0406	0411
Bloomington Plant	Radiology & Nuclear Medicine Assoc.	40 019	0412	0417
Bloomington Plant	Reco Engineering Division Midland Ross Co	40 019	0418	0420
Bloomington Plant	St. Joseph's Hospital	40 019	0421	0423
Bloomington Plant	New Corning Corp.	40 019	0424	0430
Bloomington Plant	Thomson Hayward Chemical Co	40 019	0431	0434
Bloomington Plant	Chicago Firebrick	40 019	0444	0445

PRE 73 DOCUMENTS LOCATED IN
QUEMIS COMBINE FINE AGAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	Bicalite Division of Grefco, Inc	60 019	0464	0475
Bloomington Plant	'C' Bille Issued 1972	60 019	0476	0478
Bloomington Plant	0488 Inventory	60 019	0479	0481
Bloomington Plant	0488 Inventory & 0404, 0401; 1972	60 019	0482	0543
Bloomington Plant	Line Inventory - Sept. 302	60 019	0544	0558
Bloomington Plant	Generalized Entries - Work order System by Group, Profit & Account	60 019	0559	0621
Bloomington Plant	0400 to 301, June 1972	60 019	0622	0789
Bloomington Plant	Payroll Weekly 1972	60 019	0790	0847
Bloomington Plant	'A' Billing & Samples 1972	60 019	0848	0892
Bloomington Plant	March 1972 Production	60 019	0893	0940
Bloomington Plant	April 1972 Production	60 019	0941	0965
Bloomington Plant	Production Tickets & Receipt & Box, 1972	60 019	0966	0990
Bloomington Plant	June Production, 1972	60 019	0991	1018
Bloomington Plant	July Production, 1972	60 019	1019	1033
Bloomington Plant	August 1972 Production	60 019	1034	1083

PRE-73 DOCUMENTS LOCATED IN
OMERS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Bloomington Plant	September 1972 Production	60 019	1064	1088
Bloomington Plant	'6'	60 019	1089	1096
Bloomington Plant	OCF OEC Division, 1970	60 019	1106	1129
Bloomington Plant	OCF S Orders, Number & Invoices	60 019	1130	1142
Bloomington Plant	@ Panel Company 1970	60 019	1143	1140
Bloomington Plant	Queen Products Co., Inc. 1970 Orders	60 019	1161	1169
Bloomington Plant	Ranada Inn, 1970	60 019	1170	1178
Bloomington Plant	Sepco Corporation, 1970	60 019	1179	1191
Bloomington Plant	IEC Systems, Inc., 1970	60 019	1192	1257
Bloomington Plant	U.S. Plywood Corp., 1970	60 019	1258	1320
Bloomington Plant	Western Slate Co., 1970	60 019	1321	1329
Bloomington Plant	Ure-Glass Insulation Supply, 1970	60 019	1330	1348
Bloomington Plant	Wisconsin Gasket & Rig Co., 1970	60 019	1349	1359
Bloomington Plant	Environmental Control Sampling	60 020	0001	0053
Bloomington Plant	Fiberglass Built-Up Roofing Manual	60 020	0054	0091

FILE 73 DOCUMENTS LOCATED IN
 OAKRIDGE-CONNING FINE OILS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	Off Medical Policy and Procedure	60 Q20	0162	0475
Bloomington Plant	Unlabeled	60 Q20	0492	0499
Bloomington Plant	Unlabeled	60 Q20	0514	0516
Bloomington Plant	Maintenance Labor Breakdowns 1969	60 Q20	0517	0591
Bloomington Plant	Interoffice Correspondence, 1970	60 Q20	0644	0667
Bloomington Plant	Maintenance Personnel Records	60 Q20	0849	0859
Bloomington Plant	Unlabeled	60 Q20	0860	0939
Bloomington Plant	Copies of 902's	60 Q20	1079	1172
Bloomington Plant	IOF - Environmental Operating Permits (Corresp. Application, Approvals)	60 Q20	1197	1383
Bloomington Plant	August	60 Q21	0020	0030
Bloomington Plant	1971 Budget	60 Q21	0031	0039
Bloomington Plant	December 1971	60 Q21	0040	0042
Bloomington Plant	May Audit	60 Q21	0043	0056
Bloomington Plant	Adjustment in 1972, 1970 & 1971	60 Q21	0057	0061
Bloomington Plant	Compensation Reports	60 Q21	0062	0075

PM 73 DOCUMENTS LOCATED IN
QUEST'S COMING FUELS/CLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG PAGE	FILE 100 PAGE
Bloomington Plant	Comments Code - Computer	60 Q21	0076	0096
Bloomington Plant	CAS Memoir	60 Q21	0097	0111
Bloomington Plant	Wortham Reef Conts	60 Q21	0112	0156
Bloomington Plant	Pyroch Project - U.S. Physical	60 Q21	0157	0195
Bloomington Plant	Cost Request Dept. 301 & 302, 1972	60 Q21	0196	0222
Bloomington Plant	Green Margin, 1972	60 Q21	0223	0322
Bloomington Plant	Mist, W.B.	60 Q21	0323	0325
Bloomington Plant	Monthly Report - Production, Eng. & Mntce., 1972	60 Q21	0326	0356
Bloomington Plant	Monthly Report - K.O. Preston, 1972	60 Q21	0357	0371
Bloomington Plant	Period Cost by Dept. & Cost Center, 1972	60 Q21	0372	0426
Bloomington Plant	Prod. Group Spread (Gain/Loss) by Prod. Group	60 Q21	0427	0514
Bloomington Plant	Eng. Tapes	60 Q21	0515	0631
Bloomington Plant	Preston, K.O., 1972	60 Q21	0632	0653
Bloomington Plant	Preston Reports	60 Q21	0656	0661
Bloomington Plant	Procedures	60 Q21	0662	0676

PM-75 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Bloomington Plant	Property Listing	60 021	0675	0677
Bloomington Plant	Property Taxes	60 021	0676	0719
Bloomington Plant	Keap Plan - 6 yr.	60 021	0720	0723
Bloomington Plant	Status Report, 1972	60 021	0724	0838
Bloomington Plant	Weaver A.M.	60 021	0839	0843
Bloomington Plant	Stomptechase Preston	60 021	0844	0857
Bloomington Plant	Work Order Info	60 021	0858	0869
Bloomington Plant	Witham, H.W., 1972	60 021	0870	0877
Bloomington Plant	Student Recruitment	60 021	0878	0897
Bloomington Plant	Unlabeled	60 021	0898	0905
Bloomington Plant	Unlabeled	60 021	0906	0957
Bloomington Plant	Unlabeled	60 021	0958	1053
Bloomington Plant	901	60 021	1054	1308
Bloomington Plant	Babb, Joseph I	60 021	1313	1374
Bloomington Plant	J. Babb Pension	60 021	1375	1549
Bloomington Plant	J. Babb	60 021	1570	1611

PRE-73 DOCUMENTS LOCATED IN
OAKRIDGE CORP. FILES
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Bloomington Plant	Unlabeled	40 021	1612	1945
Corporate	"Experimental Pulmonary Carcinogenesis with Asbestos," M.F. Stanton	33 100	0001	0009
Corporate	Unlabeled	33 402	0001	0106
Environmental	Unlabeled	40 001	0001	0794
General Engineering	Bust	01 004	0830	0843
General Engineering	Granville Studies - Bishop, May 8, 1963	01 004	0844	0888
General Engineering	Fibers: Other Than Asbestos	01 007	1429	1435
General Engineering	Hardstripping -- P -- 10	01 010	0001	0021
General Engineering	Vacuum Stripping -- P -- 9	01 010	0261	0269

PME 73 DOCUMENTS LOCATED IN
QUEST'S COMMING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
General Engineering	Progress Report General Engineering Process Development For High Temperature Insulation Products, September-October, November-December, 1963	01 010	0854	0870
General Engineering	Mayle Properties	01 010	1032	1076
General Engineering	Formulation Control May 8, 1963 -	01 019	0001	0206
General Engineering	Berlin Trial Formulation	01 019	0207	0214
General Engineering	Formulations	01 019	0871	1121 01
General Engineering	Grinding Dust -- P-18	01 036	1172	1189
General Engineering	General Engineering Process Development, Progress Report for Mayle & Other High Temperature Insulation Projects for July - August-1964	01 036	1190	1204
General Engineering	Johns-Manville Thermabestos Plant Visitation	01 036	1205	1229
General Engineering	Asbestos	01 037	0001	0030
General Engineering	Trip Reports	01 037	0173	0183
General Engineering	Suggestions	01 037	0184	0187
General Engineering	Testing	01 037	0188	0195

PRE 75 DOCUMENTS LOCATED IN
 QUINCY-CORNING FILMCELLAS CORPORATION
 ARCHIVES DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
General Engineering	Programs	01 037	0214	0248
General Engineering	Plant Studies; Moyer	01 037	0249	0295
General Engineering	South Africa	01 037	0296	0352
General Engineering	Granville Studios, Bishop	01 037	1965	1978
General Engineering	New Products	01 037	1979	2012
General Engineering	Substation 1065-66	01 037	2013	2081
General Engineering	Testing	01 037	2082	2129
General Engineering	Programs	01 041	0571	0659
General Engineering	Reinforcing May 8, 1963 -	01 041	0660	0692
General Engineering	Reinforcing Jan 63 - May 8 '63	01 041	0693	0709
General Engineering	IC-61-62-11 Kaylo Improvement Program by B. F. Shuman	01 041	0710	0774
General Engineering	Kaylo Improvement Program Research Plant Engineering	01 047	0910	0948
General Engineering	Formulation - P. 7 (2)	01 047	1543	1704
General Engineering	Trip Report to Meyerhammer Company Moddis	01 047	2445	2462

PAGE 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
	Division, Marshfield Mill, Marshfield, Wisconsin, Oct. 3-4, 1961			
General Engineering	K-37 Core	01 048	1810	2191
General Engineering	Kayle Process & Product Review Meetings 62	01 049	0886	1104
General Engineering	Kayle - Klad -- P--4	01 049	1376	1470
General Engineering	Kayle Adhesives Improvement -- B--12	01 049	1846	1864
General Engineering	Improved Kayle Manufacturing Process Survey	01 049	1865	1892
General Engineering	Reinforcing	01 049	2443	2578
General Engineering	Granville	01 050	0835	0907
General Engineering	Programs and Reports	01 050	0908	1137
General Engineering	Kayle Improved Mfg Process Survey 1964	01 050	1385	1768
General Engineering	Kayle Improvement Program - Research Plant Engineering	01 051	1079	1133
General Engineering	Trip Report to Meyerhauer Company, Buddis Division, Marshfield Mill, Marshfield, Wisconsin, Oct. 3-4, 1961	01 051	1425	1441

PAGE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
General Engineering	Progress Report, General Engineering Process Development for High Temperature Insulation Products, September-October November-December 1965	01 052	1796	1811
General Engineering	Process Development Progress Report for Kayle & Fire Rated Ceiling Board & Tile, January through June 1966	01 062	0363	0384
General Engineering	Formulation - P. 7 (3)	01 062	0485	0488
General Engineering	Non-Autoclaved Gaskets May & '63	01 062	1715	1789
General Engineering	New Kayle formulations -- B -- 6	01 063	1565	1595
General Engineering	Formulation -- P -- 7	01 063	1596	1798
General Engineering	Glass fiber Test Shipments	01 078	1831	1944
General Engineering	Fittings	01 079	0343	0542 01
General Engineering	Kayle Improvement Program Research Plant Engineering	01 079	0916	0971
General Engineering	Marine Panel	01 081	0360	0384

PM-73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
General Engineering	Granville Studios, May 8, 1963, Bishop	01 001	0651	0693
General Engineering	Fire Door	01 001	0694	0704
General Engineering	Core	01 001	0705	0853
General Engineering	Autoclave Cycle Shrinkage	01 001	0932	0935
General Engineering	Bauer Mill	01 001	0936	0965
General Engineering	CAS	01 001	0966	1117
General Engineering	Additives - 1965-1966	01 001	1118	1184
General Engineering	Adhesives	01 001	1185	1190
General Engineering	Unlabeled	01 001	1191	1511
General Engineering	Core	01 001	1512	1520
General Engineering	Glass Furnace Insulation	01 001	1619	1637
General Engineering	Kayle Properties 1963 - May 8 '63	01 001	1640	1656
General Engineering	Pending - form	01 001	1657	1766
General Engineering	K-20 Shrinkage	01 001	1767	1807
General Engineering	Kayle Properties	01 001	1808	1889
General Engineering	CAS	01 001	1890	1937

PM 73 DOCUMENTS LOCATED IN
OUTS-COMING FILM REEL AS COMPANION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
General Engineering	Cellular Silicate May 63	01 001	1938	1946
General Engineering	Ceramic Drying Pellets	01 001	1962	1966
General Engineering	Core May, '63 -	01 001	1974	2218 01
General Engineering	Drop Tests	01 001	2219	2294
General Engineering	Dust Core	01 001	2295	2315
General Engineering	Asbestos	01 001	2323	2357
General Engineering	Autoclaves	01 001	2358	2363
General Engineering	1963 - Formulation Control to May 8	01 004	0269	0408
General Engineering	Program: Jan 63 - May 8 63	01 004	0409	0419
General Engineering	Kaylo Improvement Program Research Plant Engineering	01 004	0546	0621
General Engineering	Dust Mass, Cement, Fertilizer, 15.	01 004	1422	1473
General Engineering	Revised Kaylo Process Development Program, 1964, To Result in Improvement over 1963 Manufacturing Performance & Quality Standards	01 005	0757	0789
General Engineering	Proposed Kaylo Process Development Program, 1964, Applied for Improvement over 1963 Manufacturing Results	01 005	0790	0822

PSE-73 DOCUMENTS LOCATED IN
OUTLINE COMMING FILMCLAS CORPORATION
ASBESTOS DOCUMENT REPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF PAGE	FILE END PAGE
General Engineering	1-1/2 Hour K-17 Core Fire Door Tests at Granville Using K-Bond Cement	01 008	0482	0503
General Engineering	Quality Audit	01 093	0221	0252
General Engineering	Underground Pipes	01 093	0253	0256
General Engineering	Reinforcing II	01 093	0257	0456
General Engineering	Pressed Bodies	01 093	0457	0487
General Engineering	Pressed Bodies, Jan 63 - May 63	01 093	0488	0529
General Engineering	Plant Engineering	01 093	0530	0539
General Engineering	Marine Panel	01 093	0540	0606
General Engineering	Plant Operations	01 093	0607	0752
General Engineering	Fan for Train Bore	01 093	0779	0782
General Engineering	Plant Operations, Jan 63 - May 8 '63	01 094	1089	1098
General Engineering	Production Formulations	01 094	1099	1239
General Engineering	Unlabeled	01 094	1240	1500 01
General Engineering	Stress Corrosion, Jan 63 - May 8 '63	01 094	1501	1546

FOR 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
General Engineering	Progress Reports	01 004	1547	1680
General Engineering	Stress Corrosion 1963-66	01 004	1681	1697
General Engineering	Stress Corrosion	01 004	1698	1794 01
General Engineering	Patents	01 004	2082	2171
General Engineering	Plant Engineering	01 004	2172	2175
General Engineering	New Materials -- Jan 63 - May 8 '63	01 004	2337	2356
General Engineering	Trial Runs Jan 63 - May 8 '63	01 004	2357	2415
General Engineering	Current	01 004	2416	2449 01
General Engineering	Process Control	01 004	2470	2489
General Engineering	Process Control	01 004	2490	2509
General Engineering	Progress Reports	01 004	2510	2547
General Engineering	Plant Operation, May 63 -	01 004	2548	2565
General Engineering	Vibrators	01 004	2772	2801
Industrial Hygiene	Unlabeled	04 001	0109	0118

PAGE 73 DOCUMENTS LOCATED IN
OUR MS. CONTAINS FIRM RECLAS CORPORATION
ASBESTOS DOCUMENT BY POSITION

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Industrial Hygiene	Industrial Hygiene Survey B/B) Berlin	04 001	0119	0189
Industrial Hygiene	Unlabeled	04 001	0442	0521
Industrial Hygiene	Unlabeled	04 001	0925	0933
Industrial Hygiene	Unlabeled	04 001	0934	0944
Industrial Hygiene	Unlabeled	04 001	0947	0980
Industrial Hygiene	Unlabeled	04 001	0981	1134
Industrial Hygiene	Barrington - In Plant Environment	04 003	0001	0143
Industrial Hygiene	Berlin Plant	04 003	0577 01	0577 12
Industrial Hygiene	Berlin Environmental Sampling (Outside Plant)	04 003	0578	0584
Industrial Hygiene	Berlin In Plant Environment	04 003	0584 01	0584 19
Industrial Hygiene	Berlin In Plant Kayle Silica Study (1968 1973)	04 003	0587	0645
Industrial Hygiene	Santa Clara Plant	04 005	0004	0021
Industrial Hygiene	Toledo In Plant Environment	04 005	0059	0344

PRE 73 DOCUMENTS LOCATED IN
QUESTS CONTAINING FINE INCLAS CORPORATION
ASBESTOS DOCUMENT REPOSITION

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Industrial Hygiene	Training Materials	04 001	0001	0009
Industrial Hygiene	Unlabeled	04 001	0920	1006
Industrial Hygiene	Unlabeled	04 001	1007	1019
Industrial Hygiene	Granville 1975-1979	12 001	0576	0581
Industrial Hygiene	Barrington - 1976-80, In Plant	12 001	0591 01	0623
Industrial Hygiene	Berlin 1979-1981	12 001	0624	0765
Industrial Hygiene	Bloomington - Medical (Heat & rays	12 001	0821	1032
Industrial Materials	IP-222	34 001	0001	0121
Industrial Materials	IP-236	34 001	0122	0187
Industrial Materials	IP-236 S2-10	34 001	0188	0191
Industrial Materials	IP-236 S2-10	34 001	0192	0204
Industrial Materials	IP-274	34 001	0209	0226
Industrial Materials	IP-280	34 001	0227	0275
Industrial Materials	IP-280 S1-10	34 001	0276	0282

PAI 73 DOCUMENTS LOCATED IN
 QUERES (COMING FROM BCLAS CORPORATION)
 ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Industrial Materials	IP-280 S2 LB	34 001	0283	0289
Industrial Materials	IP-280 S3 LB	34 001	0290	0296
Industrial Materials	IP-280 S-4 LB	34 001	0297	0300
Industrial Materials	IP-280 S-5 LB	34 001	0301	0304
Industrial Materials	IP-280 S-7 LB	34 001	0305	0308
Industrial Materials	IP-304 LB	34 001	0309	0375
Industrial Materials	IP-304 S-1 LB	34 001	0376	0379
Industrial Materials	IP-323	34 001	0380	0418
Industrial Materials	IP-323 S-1	34 001	0419	0422
Industrial Materials	IP-374	34 001	0423	0464
Industrial Materials	IP-374 S-1 LB	34 001	0465	0469
Industrial Materials	IP-374-S2	34 001	0470	0473
Industrial Materials	IP-376	34 001	0474	0513
Industrial Materials	IP-376 S-1 LB	34 001	0514	0518
Industrial Materials	IP-377	34 001	0519	0529
Industrial Materials	IP-379	34 001	0530	0536

PM: 75 DOCUMENTS LOCATED IN
OUR W-1 COMBING FINE DELAS CORPORATION
ASBESTOS DOCUMENT DE POSSESSION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Industrial Materials	IP-415 LB	34 001	0539	0580
Industrial Materials	IP-420 LB	34 001	0581	0593
Industrial Materials	IP-446 LB	34 001	0594	0613
Industrial Materials	IP-483 LB	34 001	0614	0642
Industrial Materials	IP-502 LB	34 001	0643	0654
Industrial Materials	IP-531	34 001	0655	0686
Industrial Materials	IP-548 LB	34 001	0687	0744
Industrial Materials	IP-548 S-1 LB	34 001	0745	0763
Industrial Materials	IP-548 S-3	34 001	0764	0802
Industrial Materials	IP-554	34 001	0825	0889
Industrial Materials	IP-554 S-1 LB	34 001	0890	0894
Industrial Materials	IP-557	34 001	0895	0911
Industrial Materials	IP-557 S-1	34 001	0912	0916
Industrial Relations	Complaints 1956-1957	01 500	0344	0348

PRI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Industrial Relations	Asbestos & Insulating Co. W. V. R. E. Estep-O-Cl Charleston	01 500	0483	0485
Industrial Relations	Schepers - Rodale's Article	01 500	0546	0555
Industrial Relations	Dupont Helen Dr. Zapp	01 500	0556	0561
Industrial Relations	Film	01 500	0562	0606
Industrial Relations	Dr. McCard	01 500	0618	0627
Industrial Relations	Dr. C. P. McCard, W of Rich.	01 500	0628	0632
Industrial Relations	Health Aspects of Fiberglas	01 501	0781	0847 01
Industrial Relations	Asbestos Workers Union	01 501	0860	0915
Industrial Relations	Saranac Laboratory Studies 1956-1957	01 501	1364	1567
Industrial Relations	M. D. Burch	01 501	1568	1597
Law	Unlabeled	01 016	0670	0671
Law	Unlabeled	01 027	0001	0632
Law	Unlabeled	01 027	0633	1139

PRE 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Low	Unlabeled	01 061	1158	1211
Low	CRM SP. 1.319	01 061	1483	1526
Low	Unlabeled	01 070	0001	1632
Low	Asbestos Cases - Discovery Info.	01 117	2991	2843
Low	Off Soremac Material 40's & 50's Occ documents	01 118	0001	0303
Low	Unlabeled	42 002	0001	0189
Low	Aetna Bust Studies	42 007	0001	0115 01
Low	Annual Reports (1951-1970)	42 007	0115 02	0408 02
Low	Annual Reports (1971-1987)	42 007	0408 03	1277
Low	Armstrong 'Lk' Insulation History - CAS	42 007	1277 01	1332
Low	Asbestos-Free Kaylo	42 007	1333	1641
Low	Asbestos-Free Kaylo Literature	42 007	1642	2009

PRI 73 DOCUMENTS LOCATED IN
OUTSTANDING FIREHALLS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE INB PAGE
Law	Asbestos free - PAS	42 007	2010	2040
Law	Asbestos Handling Procedures	42 007	2050	2058
Law	Asbestos Products Negatives for Bible Exposition II	42 007	2111	2138
Law	Asbestos Reprints	42 007	2237	2463
Law	Batch formulations	42 008	0019	0092
Law	Bath Iron Works	42 008	0093	0198
Law	Berlin Plant Inspections	42 008	0237	0509
Law	Berlin Plant - Maylonizer	42 008	0510	0538
Law	Berlin Plant Safety Rules	42 008	0539	0617
Law	Berlin Asbestos Cases	42 008	0618	0675
Law	William B. Bradley surveys	42 008	1712	1736
Law	Bureau of Mines	42 008	1737	1843
Law	George Clayton Surveys	42 009	0001	0141
Law	Department of Navy	42 009	0422	0446

PM 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Low	Distributorship Agreements	42 009	0447	0484
Low	Engle-Pficher - Miscellaneous	42 009	0493	0584 01
Low	Epidemiology Study - Berlin	42 009	0919	0947
Low	Berlin Epidemiological Study - 1970, #1	42 009	0948	1148
Low	Berlin Epidemiological Study - 1970, #2	42 010	0001	0041
Low	Industrial Hygiene Sampling - Kansas City	42 011	0421	0565
Low	Industrial Insulations - 1961	42 011	0654	0710
Low	Johns-Manville Bohrand Agreement	42 011	0782	0846
Low	Kaylo: Pipe & Block Hot Price Tables	42 012	0272	0380
Low	Kaylo: Product Code	42 012	0381	0498
Low	Kaylo: Products Literature-1958	42 012	0400	0805
Low	Kaylo: Product Literature - 1958 1972	42 012	0806	0942
Low	Kaylo: Trademark	42 013	0001	0029

PRE 75 DOCUMENTS LOCATED IN
QUINN-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE END PAGE
Low	Marine Products	42 013	0041	0078
Low	MIMA/TIMA Literature	42 013	0519	1004
Low	Mature of Business	42 013	1005	1014
Low	Off Specification Reference (Products Acceptable by Gov't)	42 013	1103	1216
Low	Off Type II Mastic	42 013	1217	1649
Low	Off Type II Mastic	42 013	1650	2047
Low	Organization Charts	42 014	0001	0547
Low	OSMA	42 014	0548	0822
Low	Off Historical Summary 1938-1961	42 014	0823	0831
Low	Quinn-Illinois: Container Purchase Agreement	42 014	0832	0844
Low	Quinn-Illinois: Mayle Product List	42 014	0847	0879
Low	Quinn-Illinois: Miscellaneous	42 014	0880	1042
Low	Quinn-Illinois: Patents & Trademarks	42 014	1043	1200
Low	PAS - Miscellaneous	42 014	1201	1535
Low	Portsmouth Navy Shipyard	42 014	1627	1660

PRI 73 DOCUMENTS LOCATED IN
OUR MS CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Low	Preplacement Health Exams	42 014	1461	1733
Low	New Asbestos Invoices (for Copying)	42 015	0272	0480 01
Low	New Asbestos Invoices Carey Canadian Mines	42 015	0481	1233 01
Low	New Asbestos Invoices Johns-Manville	42 015	1234	1294 01
Low	New Asbestos Invoices Lake Asbestos	42 015	1295	1513 01
Low	New Asbestos Invoices North America Asbestos	42 015	1513 02	1775 01
Low	New Asbestos Invoices North America Asbestos	42 015	1776	2406
Low	New Asbestos Sales - Misc	42 016	0001	0162
Low	Respirators	42 016	0563	0574
Low	Saramax Study - Final Report	42 016	0899	0932
Low	10-K's: 1951-1960	42 016	0963	1215
Low	10-K's: 1961-1965	42 016	1216	1464
Low	10-K's: 1966-1973	42 016	1465	1834
Low	10-K's: 1951-1960	42 016	1963	1215

PRE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Low	Threshold Limit Values	42 017	0452	0480 01
Low	Trade Organization Literature	42 017	0702	0744 01
Low	Onsore Sales Agreement	42 017	0745	0784 01
Low	U.S. Navy	42 017	0814	0869
Marketing Communications	Descriptive 1944-1945 and Earlier	37 001	0001	0270
Marketing Communications	Descriptive 1946 - 1947	37 001	0271	0375
Marketing Communications	Descriptive 1948-1949-1950	37 001	0376	0578
Marketing Communications	Descriptive 1951-1952-1953	37 001	0579	0771
Marketing Communications	Descriptive 1954-1955-1956	37 001	0772	1035
Marketing Communications	1957-1958 Tech. Pubs. All other than 'IM'	37 001	1036	1080
Marketing Communications	1957-1958 Tech. Pubs. 'IM' only	37 001	1081	1334
Marketing Communications	1959 1960 Tech. Pubs. 'IM' only	37 001	1335	2122

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OWENS-CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Marketing Communications	1959-1960 Tech. Pubs. All other than 'IM'	37 001	2123	2172
Marketing Communications	1961-1962 Tech. Pubs. All other than 'IM'	37 001	2173	2233
Marketing Communications	1963-1964 Tech. Pubs. IM only	37 001	2234	2670
Marketing Communications	1963-1964 GML thru MRP - Master	37 001	2671	2707
Marketing Communications	1963-1964 End. Only - Master Index	37 001	2708	2944
Marketing Communications	1965-1966 All Divs. Tech Lit. Master Binder	37 001	2945	3095
Marketing Communications	1967-1968 Tech Lit. Master Binder, Ind & Comm Only	37 001	3096	3316
Marketing Communications	1967-1968 Tech. Lit. Master Binder, Gen Team FIM, OEL, MRP	37 001	3317	3347
Marketing Communications	1969-1970 Tech Lit. File, IBC Div Only & W	37 001	3348	3539
Marketing Communications	1969-1970 Tech Lit file, Gen. Team FIM, O & W, MRP	37 001	3540	3581
Marketing Communications	All Technical Publications Printed in 1971	37 001	3582	3641

PRE 73 DOCUMENTS LOCATED IN
OUR HYGIENE FOUNDATION DEPOSITORY
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Industrial Hygiene Digest - 1948 through 1970	01 132	0001	
Medical	Industrial Hygiene Foundation Annual Meeting 1948	01 133		
Medical	Industrial Hygiene Foundation Annual Meeting 1949	01 133		
Medical	Industrial Hygiene Foundation Annual Meeting 1970	01 133		
Medical	Detecting High Blood Pressure in an Industrial Population	01 133		
Medical	Industrial Hygiene Foundation of America - Symposium on Asphyxias in Industry - 1944	01 133		
Medical	Industrial Hygiene Foundation of America - The Pneumoniobes	01 133		
Medical	American Medical Association - Guiding Principles and Procedures for Industrial Nurses in Care of Eye Injuries	01 133		
Medical	American Medical Association - Guiding Principles of Medical Examinations in Industry	01 133		
Medical	American Medical Association - Publications List	01 133		
Medical	American Medical Association - Scope Objectives and Functions of Occupational Health Programs	01 133		
Medical	Industrial Hygiene Foundation of America - Emergency Exposure Limits and Hygienic Guides	01 133		
Medical	Industrial Hygiene Foundation of America - Employees in Industry	01 133		
Medical	Industrial Hygiene Digest 1971 - 1972	01 133		
Medical	Industrial Hygiene Digest 1973 - 1977	01 133		
Medical	Disc. Document	01 133		
Medical	Industrial Hygiene Foundation Annual Report 1964	01 133		
Medical	Industrial Hygiene Foundation Annual Report 1965	01 133		
Medical	Industrial Hygiene Foundation Annual Report 1970	01 133		
Medical	Workshop on Beryllium - 1961	01 133		
Medical	Quarterly Progress Report on Toxicity of Beryllium	01 133		
Medical	Proceedings - Fibrous Dust Seminar - 1968	01 133		
Medical	Proceedings of the Symposium on Noise - 1973	01 133		

PM 73 DOCUMENTS LOCATED IN
QUEST-COMBINE FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REQ. PAGE	FILE END PAGE
Medical	Medical Radiography and Photography	01 133		
Medical	Pulmonary Histologic Reactions to Inhaled Fiberglass - Plastic Bust	01 133		
Medical	Essentials of Industrial Health	01 134		
Medical	Diseases of the Chest - Emphasizing X-ray Diagnosis	01 134		
Medical	Manual of Industrial Hygiene	01 134		
Medical	Biological Effects of Asbestos	01 134		
Medical	National Medical Monographs - Industrial Medicine	01 134		
Medical	Occupational Diseases	01 134		
Medical	Occupational Health in America	01 134		
Medical	Industrial Toxicology	01 134		
Medical	Occupational Diseases and Industrial Medicine	01 134		
Medical	Tuberculosis in Industry	01 134		
Medical	Industrial Survey by Ohio Department of Health	01 134	0001	
Medical	Stanton	02 002	0570	0739
Medical	Industrial Med. Program	02 002	0935	0942
Medical	253 TB Med Revision	02 002	0943	0945
Medical	October 11, 1969: Western Industrial Health Conf. 13th Annual Meet.	02 002	1145	1224
Medical	May 4, 1972 - Financial Exec. Institute - Toledo Chapter	02 002	1225	1273
Medical	Nov. 8-9, 1973: University of Illinois	02 002	1274	1374

THE 73 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE DESC. PAGE	FILE END PAGE
Medical	Memo for record 1969-1974	02 002	2330	2346
Medical	Belorme, Ernest vs. U.S. Atty., etc. Litigation-Mem-Off	02 005	1153	1219
Medical	Unlabeled	02 007	0310	0475
Medical	Asbestos Exposure, Dr. Konzen's Talk - Univ. Mich. 8/19/71	02 012	0001	0044
Medical	Program for Periodic Physicals Presented at Mgt. Mtg.	02 012	0045	0063
Medical	Unlabeled	02 014	0001	0178
Medical	Unlabeled	02 014	0292	0303
Medical	Asbestos Exports	02 014	1039	1290
Medical	Berlin - Pending	02 017	0001	0002
Medical	Berlin - Miscellaneous	02 017	0003	0036
Medical	Adams, James E. - Berlin - 157 24-7633	02 017	0037	0050

PMR 73 DOCUMENTS LOCATED IN
QUEEN'S COMMING FILM REEL AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Medical	Abroyd, Harry J. - Berlin - 140-10-9001	02 017	0051	0067
Medical	Alcott, Raymond H. - Berlin - 199-05-5058	02 017	0048	0078
Medical	Archut, Theodore J. - Berlin - 155-01-5306	02 017	0079	0091
Medical	Atger, David H. - Berlin - 148-18-7546	02 017	0092	0108
Medical	Becher, Paul A. - Berlin - 143-10-0340	02 017	0109	0118
Medical	Bennetand, Ivan C. - Berlin - 265-03-8252	02 017	0119	0130
Medical	Benzenehofer, Elmer A. - Berlin - 146-05-8422	02 017	0131	0142
Medical	Bodine, William H. - Berlin - 146-02-1893	02 017	0143	0161
Medical	Brown, Sr., Robert M. - Berlin - 149-12-1523	02 017	0162	0180
Medical	Colgrove, Harold B. - Berlin - 300-01-1958	02 017	0181	0190
Medical	Campden, Charles J. - Berlin - 148-03-0165	02 017	0191	0207
Medical	Conley, Thomas E. - Berlin - 201-10-8738	02 017	0208	0219
Medical	Courter, Alfred J. - Berlin - 132-01-3815	02 017	0228	0239
Medical	Cerretelli, Frank - Berlin - 157-03-5355	02 017	0240	0251
Medical	Copeland, Harry S. - Berlin - 141 16 8540	02 017	0252	0260
Medical	Crouch, Jr., George W. - Berlin - 140-07-8555	02 017	0261	0271

PHI 73 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Cummings, Chester V. - Berlin - 186-07-2750	Q2 017	0272	0286
Medical	Distafano, Antonio - Berlin - 156-10-7914	Q2 017	0287	0304
Medical	Early, Bernard C. - Berlin - 205-20-0433	Q2 017	0305	0315
Medical	Ellisett, Charles W. - Berlin - 145-09-7427	Q2 017	0316	0322
Medical	Fisher, John - Berlin - 153-22-9285	Q2 017	0323	0337
Medical	Fitting, Albert E. - Berlin - 146-09-2491	Q2 017	0338	0352
Medical	Fitzpatrick, Benjamin E. - Berlin 157-03-5455	Q2 017	0353	0366
Medical	Fitzpatrick, Hugh J. - Berlin - 155-07-2259	Q2 017	0367	0382
Medical	Gehring, Richard B. - Berlin - 170-12-2060	Q2 017	0383	0401
Medical	Gregori, Ernest B, Sr. - Berlin - 149-16-0318	Q2 017	0402	0412
Medical	Gregorio, Angelo, Sr. - Berlin - 156-10-7491	Q2 017	0413	0426
Medical	Grueterich, Miller, J. - Berlin - 147-07-6774	Q2 017	0427	0448
Medical	Haggan, Jr., Alexander - Berlin - 149-26-6292	Q2 017	0449	0466
Medical	Haggan, Alexander, Sr. - Berlin - 157-03-5274	Q2 017	0467	0478
Medical	Haben, Martin C. - Berlin 147-12-2660	Q2 017	0479	0495

BOX 73 DOCUMENTS LOCATED IN
CHRYSLER CORP. FILES
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Medical	Huff, Samuel A. - Berlin - 157-05-3442	02 017	0496	0508
Medical	Immunetti, Sr., Frank J. - Berlin - 155-07-2240	02 017	0509	0526
Medical	Ives, Edward M. - Berlin - 165-03-2165	02 017	0527	0538
Medical	Justice, William F. - Berlin - 148-28-7982	02 017	0557	0577
Medical	Kaplan, Anita - Berlin - 173-26-4265	02 017	0578	0590
Medical	Labaton, Theodore - Berlin - 148-09-5821	02 017	0591	0604
Medical	Lentz, Sidney A. - Berlin - 151-20-5235	02 017	0605	0623
Medical	Marano, Salvatore P. - Berlin - 147-07-5099	02 017	0624	0635
Medical	Mason, John - Berlin - 151-01-1916	02 017	0636	0661
Medical	McGrath, Thomas B. - Berlin - 185-01-5927	02 017	0662	0678
Medical	Morris, Michael S. - Berlin - 148-19-2567	02 017	0679	0696
Medical	Miller, Louis A. - Berlin - 252-28-4472	02 017	0697	0718
Medical	Mussett, Harry E. - Berlin - 157-05-4693	02 017	0719	0731
Medical	Pacchiame, Aniello, A. - Berlin - 206-14-3402	02 017	0732	0749
Medical	Page, George W. - Berlin - 413-28-0978	02 017	0750	0769

PRE-73 DOCUMENTS LOCATED IN
QUEST-CONTINUING FILMSTRIPS CORPORATION
ARMISTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE END. PAGE
Medical	Parker, Russell B. - Berlin - 145-03-6796	02 017	0770	0780
Medical	Pike, Edward A. - Berlin - 155-05-8729	02 017	0781	0790
Medical	Pinto, Peter - Berlin - 151-14-2324	02 017	0791	0808
Medical	Powell, Henry L. - Berlin - 046-16-7324	02 017	0809	0826
Medical	Richardson, William A. - Berlin - 149-24-5095	02 017	0827	0841
Medical	Rhodes, John B. - Berlin - 150-07-5823	02 017	0842	0862
Medical	Rodriguez, Raymond B. - Berlin - 500-48-0356	02 017	0863	0898
Medical	Saunders, Edward J. - Berlin - 141-16-5559	02 017	0911	0930
Medical	Schaffer, Charles A. - Berlin - 145-07-3798	02 017	0931	0948
Medical	Schwartz, Henry C., M.D. - Berlin - 155-36-0037	02 017	0949	0958
Medical	Siefert, Charles F. - Berlin - 141-09-5299	02 017	0959	0981
Medical	Sigler, Morris F. - Berlin - 145-03-6769	02 017	0982	0995
Medical	Smith, Harry W. - Berlin - 155-05-8389	02 017	0996	1006
Medical	Southard, Gerald E. - Berlin - 147-05-0905	02 017	1007	1020
Medical	Stamper, Robert E. - Berlin - 146-09-9453	02 017	1021	1034

PAI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ATMOSPHERIC DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE MSG PAGE	FILE END PAGE
Medical	Thornton, Arthur J., Sr. - Berlin - 198 07-0909	02 017	1035	1040
Medical	Tierne, Angelo - Berlin - 148 05 5337	02 017	1051	1059
Medical	Wagmann, Herbert A. - Berlin - 151-40-4089	02 017	1040	1073
Medical	White, William J. - Berlin - 149-12-0903	02 017	1074	1088 01
Medical	Wiegand, Bernhard E. - Berlin - 157-03-4319	02 017	1089	1105
Medical	Worthington, Marace G., Jr. - Berlin - 155-05-1434	02 017	1104	1120
Medical	Zapp, George B. - Berlin - 180-12-5204	02 017	1129	1143
Medical	Bloomington - Pending	02 017	1152	1153
Medical	Bald, Joseph E. - Bloomington - 352 05 8508	02 017	1154	1195
Medical	Bowman, Everett C. - Bloomington - 321-30-4942	02 017	1194	1220
Medical	Collins, Charles E. - Bloomington - 345-12-4845	02 017	1221	1240
Medical	Compton, Clyde E. - Bloomington - 319-28-7274	02 017	1241	1330
Medical	Correll, Carl B. - Bloomington - 351 34-6537	02 017	1339	1354
Medical	Friend, Lester E. - Bloomington - 328 16 2308	02 017	1357	1415

PM 73 DOCUMENTS LOCATED IN
OAKRIDGE FILM REEL AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE END PAGE
Medical	Kitchens, Charles B. - Bloomington - 401-12-3493	02 017	1476	1448
Medical	Lehman, Leo S. - Bloomington - 331 18-5680	02 017	1449	1489
Medical	McCandless, Howell P. - Bloomington - 430-58-1126	02 017	1490	1536
Medical	Potter, John P. - Bloomington - 328-09-4320	02 017	1537	1570
Medical	Taylor, Dayton B. - Bloomington - 352-12-4273	02 017	1582	1620
Medical	1972	02 018	1458	1659
Medical	1973	02 018	1660	1672
Medical	1970	02 018	1673	1745
Medical	1969	02 018	1746	1788
Medical	1968	02 018	1789	1817
Medical	1967	02 018	1818	1825
Medical	1966	02 018	1826	1828
Medical	1965	02 018	1829	1840
Medical	1964	02 018	1841	1848

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OAKRIS-CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	1940	02 018	1849	1876
Medical	1955	02 018	1877	1886
Medical	1943	02 018	1887	1891
Medical	1942	02 018	1892	1912
Medical	1941	02 018	1913	1929
Medical	1 in. Misc. Docs	02 019	0506	0699
Medical	West Coast Buxt Study	02 019	0700	0735
Medical	Occupational Health Study of Sheet Metal Workers Phase II Laboratory/Compar	02 019	0741	0762
Medical	Insulating Materials in Shipyards	02 019	0763	0799
Medical	Unlabeled	02 019	1374	1673
Medical	Unlabeled	02 019	1676	1824
Medical	Unlabeled	02 021	0206	0299
Medical	Current Working files	02 021	0376	0717

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Unlabeled	02 200	0048 02	0105 01
Medical	Finance - 1966 1977 901's	02 200	0105 02	0124 01
Medical	TRMA 8100A (MUMIA) 1976-1983	02 201	1716	1773
Medical	Unlabeled	02 202	0431 02	0447 01
Medical	Unlabeled	02 202	0447 02	0452 01
Medical	Unlabeled	02 202	0452 02	0454 01
Medical	Lovellce Biomedical - Dr. Pickrell 1977-1981 1002	02 202	0539	0727
Medical	NIDDM Mort. Study Newark Plt. Exposed to fine fibers Phase 2	02 203	0202	0427
Medical	IMF Fibrous Glass Rtg. & Health Part 1 Epidemiological Study	02 203	0428	0444
Medical	Hazardous Materials - Asbestos Newspaper Clippings, etc. 1964-1973	02 203	0445	0491
Medical	Unlabeled	02 203	1272 02	1279 01
Medical	Health Complaints & Inquiries May 1983	02 204	0157 02	0241 01

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SOURCE	FILE TITLE	BOX #	FILE DESC. PAGE	FILE END PAGE
Medical	Health Complaints & Inquiries August 1981	02 204	0241 02	0244 01
Medical	Unlabeled	02 205	0140 02	0176 01
Medical	Fiber Diameter Misc. Notes, Sketches, Reports	02 205	0176 02	0182 01
Medical	Unlabeled	02 206	0667	0675
Medical	Unlabeled	02 206	0676	0708
Medical	Unlabeled	02 206	0709	0723
Medical	Status Reports Corp. Med. Mtg. Act. 1968-1975	02 206	0754	0815
Medical	Unlabeled	02 206	0850	1171
Medical	Unlabeled	02 206	1172	1362
Medical	American College of Chest Physicians (1970-79)	02 206	1363	1401
Medical	Unlabeled	02 207	0641	0713
Medical	Unlabeled	02 207	0732	0891
Medical	Unlabeled	02 207	0892	0954

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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Medical	Unlabeled	02 207	0955	1078
Medical	Unlabeled	02 207	1079	1227
Medical	Litigation - Joseph E. Bubb (Bloomington)	02 208	0001	0031
Medical	Buono v. GCF	02 208	0162 01	0298
Medical	Unlabeled	02 209	0198	0207
Medical	Litigation - Claude J. Templett	02 209	0208	0278
Medical	Unlabeled	02 209	0283	0455
Medical	Unlabeled	02 209	0443	0482
Medical	Unlabeled	02 209	0482 01	0583 01
Medical	Unlabeled	02 209	0583 02	0655 01
Medical	Unlabeled	02 209	0655 02	0766 01
Medical	Unlabeled	02 209	0766 02	0808 01
Medical	Unlabeled	02 209	0808 02	0867 01
Medical	Unlabeled	02 209	0867 02	0899 01

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 ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE END PAGE
Medical	Unlabeled	02 209	0099 02	0931 01
Medical	Unlabeled	02 209	0931 02	1001 01
Medical	Unlabeled	02 209	1046 02	1185 01
Medical	Unlabeled	02 209	1414 02	1421 01
Medical	Berlin in-Pleat 1978	02 210	0081	0165
Medical	NY Academy of Science 1948-70	02 212	0025	0083
Medical	Medical College of Ohio at Toledo	02 212	0084	0104
Medical	Administration of an Occup. Health Program U of Michigan	02 212	0107	0111
Medical	Unlabeled	02 212	0112	0204
Medical	Unlabeled	02 212	0205	0251
Medical	Unlabeled	02 212	0252	0285
Medical	Unlabeled	02 212	0286	0291
Medical	Unlabeled	02 212	0292	0358
Medical	Unlabeled	02 212	0359	0401

PRI 73 DOCUMENTS LOCATED IN
 OAKS COMING FIDELIAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	Unlabeled	02 212	0502	0442
Medical	Unlabeled	02 212	0463	0505
Medical	Unlabeled	02 212	0506	0449
Medical	Unlabeled	02 212	0450	0498
Medical	Unlabeled	02 212	0499	0704.99
Medical	Unlabeled	02 212	0705	0708
Medical	Unlabeled	02 212	0740	0747
Medical	Unlabeled	02 212	0748	0795
Medical	Unlabeled	02 212	0796	0833
Medical	Unlabeled	02 212	0834	0897
Medical	Unlabeled	02 213	0455.01	0496
Medical	Unlabeled	02 213	0525	0571
Medical	Unlabeled	02 213	0572	0590
Medical	Granville In-Plant 1967 - 1977	02 214	0798	0812

PM 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	ROW #	FILE	
			REG PAGE	END PAGE
Medical	Research - In Plant 1964-1974	02 214	0021	0035
Medical	Unlabeled	02 215	0001	0055
Medical	Bulzer, Leroy	02 215	0056	0104
Medical	Selkoff, Irving J. (Gen. Corres.) 1965-1971	02 215	0424	0699
Medical	Dr. Earl Stanton - General Corres. 1969 to 1975	02 215	0705	0805
Medical	Dr. George Wright - "Best Roentgenograms of Persons Following Prolonged Exp. to Airborne FC Particles" (1963-1967)	02 215	0806	0844
Medical	Unlabeled	02 215	0845	0862
Medical	Unlabeled	02 215	0863	0886
Medical	Unlabeled	02 215	0887	0922
Medical	Unlabeled	02 215	0935	0947
Medical	1973 J.L. Kenson, M.D., Expense Reports	02 215	0980	0991
Medical	Johns-Manville Corporation (General Correspondence) 1970-1979	02 215	1037	1208
Medical	Manufacturing, Management, Personnel Detentions/Industrial Relations (1971-1975)	02 215	1209	1222

PRI 73 DOCUMENTS LOCATED IN
OURTS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

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SOURCE	FILE TITLE	BOX #	FILE SEC. PAGE	FILE END PAGE
Medical	C. P. McCord, M.D. 1964-1971	02 215	1223	1227
Medical	Monthly Medical Report 1969-1977	02 215	1228	1275
Medical	OCF Products - Adverse Publicity 1957-1978 2 of 2	02 215	1993	1476
Medical	NIOSH Mortality Study (Hewlett Plant Employees)	02 216	0998	1025
Medical	S	02 400	2027	2030
Medical	Asbestos	02 401	0552	0526
Medical	Hewlett Case Control Study	02 403	1635	1640
Medical	Human Exposure to Asbestos: Best Controls and Standards - The Inhalation of Fibrous Dusts, Friberg	02 406	0801	0010
Medical	The Effects of Intratracheal Instillation of Glass Fiber of Varying Sizes in Guinea Pigs, H. Rubner, G. Wright	02 406	0030	0047
Medical	Pulmonary Ferruginous Bodies - Development in Response to Filamentous Dusts and a Method of Isolation and Concentration, P.	02 406	0088	0095

PM 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE END PAGE
	Gross, M. B., et al.			
Medical	The Work Environment of Insulating Workers, J.L. Balzer and M.C. Cooper	02 406	0150	0135
Medical	Evaluation and Control of Asbestos Exposures in the Insulating Trade, M.C. Cooper and J.L. Balzer	02 406	0156	0167
Medical	Asbestos and Glass Fiber Dust Linings: Health Hazard or Not? Experts Disagree, M. F. Welch	02 406	0188	0189
Medical	Experimental Pulmonary Carcinogenesis with Asbestos, M.F. Stanton, et al., 1969	02 406	0203	0211
Medical	Exposure to Fibers in the Manufacture of Fibrous Glass, B.L. Johnson, et al., 1969	02 406	0212	0217
Medical	Polymers as Selective Antagonists of Neurolytic Asbestos Fibers, R. J. Schmitzer and G. Benesku, 1970	02 406	0218	0219
Medical	The Pulmonary Reaction to High Concentrations of Fibrous Glass Dust - A Preliminary Report, P. Gross, M. B., et al., 1970	02 406	0220	0229
Medical	American Review of Respiratory Disease - Asbestos and Health in 1969, G.W. Wright, 1969	02 406	0250	0242
Medical	Environmental Exposures in the Insulation Trade, J.L. Balzer, 1970	02 406	0243	0248
Medical	Effects of Low Concentrations of Asbestos,	02 406	0255	0262

PRI-73 DOCUMENTS LOCATED IN
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ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	BOX #	FILE REG PAGE	FILE END PAGE
	Raymond L H Murphy, et al., December 1971			
Medical	Fibrous Glass Insulation: Health Hazard Question Resolved, J M. Barthert, Aug 1971	02 406	0263	0265
Medical	Industrial Hygiene for Insulation Workers, J. L. Balzer, Jan. 1968	02 406	0266	0272
Medical	Screening tests of Pulmonary function, J M. Carron & J.A. Nadel, May 1970	02 406	0273	0274
Medical	Experimental Carcinogenesis, Bronchial Intramural Adenocarcinoma in Rats from X-ray Irradiation of the Chest, P. Gross, H B., et al., 1969	02 406	0279	0293
Medical	Epidemiologic Aspects of Cancer, B. MacMahon, 1969	02 406	0294	0307
Medical	AMA Registry on Adverse Reactions due to Occupational Exposures, An Enquest, B. B. Siman, H B., May 1969	02 406	0308	0309
Medical	Ferruginous Bodies in Human Lungs, Prevalence at Random Autopsies, H B. Wiedman, et al., Sept. 1968	02 406	0310	0316
Medical	Hygiene Standards for (bryostile Asbestos Dust	02 406	0317	0317
Medical	Nonoccupational Diffuse Pulmonary Fibrosis, A Report of a Case in an Asbestos Worker, P Cartier & P. Gross	02 406	0318	0325
Medical	Lung Biopsy in the Diagnosis of the Pneumocystosis, P. A. Theodor	02 406	0326	0336

PRI 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Industrial Contamination of Ohio Bulletin - Silicosis - Causes and Prevention	02 406	0337	0340
Medical	Experimental Silicosis - The 'Atypical' Reaction in the Syrian Hamster, P. Gross, et al., July 1967	02 406	0341	0348
Medical	Publication Index for 65 Articles	02 406	0349	0353
Medical	Exposure of Sheet Metal Workers to Airborne Fibrous Glass, J.L. Balzer, et al., Sept. 1971	02 406	0354	0370
Medical	Electron and Light Microscopic Identification of Glass Fibers in Air, J.L. Balzer, et al., Sept. 1971	02 406	0371	0395
Medical	Exposure of Insulation Workers to Airborne Fibrous Glass, D.P. Fowler, et al., Feb. 1971	02 406	0396	0401
Medical	The Work Environment of Insulating Workers, J.L. Balzer, et al., 1968	02 406	0402	0407
Medical	Mortality Patterns Among Fibrous Glass Production Workers, B.L. Bayliss, et al	02 406	0408	0413
Medical	The Fibrogenic Effects of Mineral Dusts Injected into the Pleural Cavity of Mice, J.M.G. Davis, 1971	02 406	0414	0431
Medical	Fibrous Dust Particles and Ferruginous Bodies, P. Gross, et al., July 1970	02 406	0456	0464
Medical	The Pulmonary Response to Fibrous Dusts of Diverse Compositions, P. Gross, et al., May 1969	02 406	0473	0489

PM-75 DOCUMENTS LOCATED IN
QUEST-CONTAINING FIBERGLASS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Medical	Exposure to Fibers in the Manufacture of Fibrous Glass, P. L. Johnson, et al., 1969	02 406	0516	0519
Medical	Pulmonary Hazards from Exposure to Glass Fibers, A.B.M. Nasr, 1967	02 406	0539	0542
Medical	Tumoren der Ratte Nach i.p. - Injektion faserförmiger Stoffe (aufenglisch translation - Tumors in Rats Following Intraperitoneal Injection of Fibrous Dusts, Pott & Friedrichs, 1972	02 406	0543	0545
Medical	The Biological Action of Glass Wool, S. M. H. Schepers, 1955	02 406	0546	0553
Medical	Biological Effects of Asbestos, Lyon, October 1972	02 406	0554	0569
Medical	Experimental Pulmonary Carcinogenesis with Asbestos, H. J. Stanton, et al., 1969	02 406	0570	0578
Medical	Mechanisms of Mesothelioma Induction with Asbestos and Fibrous Glass, H. J. Stanton & C. Wrench, March 1972	02 406	0584	0609
Medical	Newark Project (Book 1)	02 407	1101	1192
Medical	Newark/Newark Book	02 407	2365	2427
Medical	Brazil	02 407	3428	3635
Medical	Literature References (triangle Part	02 409	1878	2087

PRE 73 DOCUMENTS LOCATED IN
CURRENT-COMBINE FILING CLAS COMPOSITION
ASIN STOS DOCUMENT DE POSITION

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
	Doc. 3 (Vol. 3 B)			
Medical	Industrial Hygiene	02 413	0001	0038
Medical	IARC Monograph References 66-110	02 416	0210	0264
Medical	IARC Monograph References 216-250	02 416	0475	0567
Medical	Asbestos Resource Material	02 416	1071	1399
Medical	Diagnosis of Diseases of the Chest, Volume II	02 415	0276	0339
Medical	Current Medical Information and Terminology	02 416	0366	0369 01
Medical	Reader file 1968 April thru Dec.	02 417	0001	0024
Medical	Reader file 1969 Jan. thru Dec.	02 417	0025	0165
Medical	Reader file 1970 Jan. thru Dec.	02 417	0166	0330
Medical	Reader file 1971 Jan. thru Dec.	02 417	0331	0459
Medical	Reader file 1972 Jan. thru Dec.	02 418	0001	0160

PRE 73 DOCUMENTS LOCATED IN
OWHS (OWHS FINEGLAS CORPORATION)
ASBESTOS DOCUMENT DEPOSITION

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	Paul Gross, M.D.	08 001	0748	0790
Medical	Hazardous Mils. - Asbestos #2	08 003	0801	0594
Medical	Unlabeled (Asbestos, 1983, Gen. Corres.)	08 003	0597	1292
Medical	Hazardous Mils. - Asbestos Employee Education	08 004	1097	1355
Medical	Hazardous Mils. - Asbestos Literature Asbestos - Newspaper Clippings, etc.	08 004	1356	1642
Medical	Hazardous Mils. - Asbestos Infield Exam Program	08 004	1729	2027
Medical	Hazardous Mils. Asbestos - Proposed Sinds	08 005	0801	0537
Medical	Asbestos Rip-Out Work	08 005	0538	0541
Medical	NIOSH (National Institute of Occup. Safety and Health)	08 006	0801	0229
Medical	NIOSH Fibrous Glass Work Practices Document	08 006	0230	0542
Medical	OSHA Target Health Hazard Program	08 006	0822	0842
Medical	OCF Products Cellulosic Insulation	08 006	0843	0844.01

PRE 73 DOCUMENTS LOCATED IN
QUESTS-LEARNING FIREGLASS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DEC PAGE	FILE END PAGE
Medical	Ox/ Products - Mayo	08 006	0951	1202
Medical	Ox/ Products - Miscellaneous End Uses	08 006	1329 01	1592
Medical	Unlabeled	08 006	1573	1583
Medical	Unlabeled	08 006	1584	1594
Medical	Unlabeled	08 006	1595	1605
Medical	Status Report Research Work	08 007	0492	0745
Medical	Moine - 007	08 007	0746	0750
Medical	Unlabeled	08 007	0751	0787
Medical	Unlabeled	08 007	0829 01	0900
Medical	U. S. Navy Dept. Naval Hospital Camp Le Jeune, NC	08 007	0901	0911
Medical	U. S. Public Health Service	08 007	0912	0915
Medical	Unlabeled	08 007	0952	1024
Medical	Unlabeled	09 200	0369	0554

PM 73 DOCUMENTS LOCATED IN
OURETS COMBINE FIREGLASS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	SERIAL	FILE NO.	FILE NO.
Medical	Unlabeled	11 200	0150	0717
Medical	TIMA - Medical & Scientific Comm. Correspondence 1974 & 1975	11 200	0718	0872
Medical	Litigation Thos L. Blanchette (Document, Tenses)	11 201	0014	0017
Medical	Litigation Alvin J. Wang	11 201	0018	0024
Medical	Litigation M.J. Hudson	11 201	0032	0054
Medical	Litigation John C. Oyle	11 201	0055	0048
Medical	Litigation Chester Morrison	11 201	0069	0076
Medical	Litigation Bernard McCallrey	11 201	0077	0106
Medical	Litigation Michael F. Henna	11 201	0112	0184
Medical	Litigation Robert Lennu	11 201	0185	0193
Medical	Litigation Henry Pustz/Herbert E. Ryan	11 201	0202	0231
Medical	Litigation Jesse Padgett	11 201	0239	0265
Medical	Am. Ind. Hygiene Presentation by JIK May '69	11 201	0276	0314
Medical	Am. Occ. Med. Assn. (formerly Ind. Med. Assn.) JIK Corresp. 1948-1977	11 201	0315	0328

PHI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	Unlabeled	11 201	0378	0384
Medical	Dow Chemical Company	11 201	0395	0398
Medical	Clayton, G.D. & Assoc. 1970-78	11 201	0399	0417
Medical	AT&T American Tel. & Tel. Company	11 201	0418	0427
Medical	American Cancer Society Occup. Exposure to Suspected Carcinogens 1971-78	11 201	0428	0441
Medical	Black Rock Program 1974	11 201	0442	0448
Medical	Toledo Medical Unit 1948-69	11 201	0459	0462
Medical	Unlabeled	11 201	0476	0485
Medical	Material Safety Data Sheets Requests 1970-1971 L.	11 201	0486	0549
Medical	Material Safety Data Sheets Requests 1972	11 201	0550	0571
Medical	General Health Complaints 1969	11 201	0606	0712
Medical	Health Complaints (Mostly Burt (complaints) from 1970-1975	11 201	0713	0759
Medical	General Health Complaints 1970	11 201	0760	0763
Medical	Health Complaints (Mostly Burt (complaints) for 1969	11 201	0795	0823

PRI 73 DOCUMENTS LOCATED IN
 OWENS-CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Health Complaints - January - June 1968	11 201	0824	0831
Medical	Finance Medical Support Plan 1970-75	11 201	0864	0877
Medical	Unlabeled	11 201	0897	0945
Medical	Unlabeled	11 202	0001	0005
Medical	TINA Workshop Oct. 1975 (Innsbrook, Florida)	11 202	2067	2074
Medical	Health Complaints & Inquiries 1971 January - July	11 203	0036	0066
Medical	Health Complaints & Inquiries August - December 1971	11 203	0067	0084
Medical	Health Complaints & Inquiries January - July 1972	11 203	0085	0126
Medical	Health Complaints & Inquiries August - December 1972	11 203	0127	0133
Medical	Health Complaints & Inquiries April 1975	11 203	0207	0220
Medical	Health Complaints & Inquiries October 1975	11 203	0230	0255
Medical	Health Complaints & Inquiries September 1976	11 203	0320	0341
Medical	Unlabeled	11 203	0442	0806

Part 73 DOCUMENTS LOCATED IN
OUR NEW COMING FROM AGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE NO. PAGE	FILE NO. PAGE
Medical	MIMA 1967 - 1966 Correspondence	11 203	1181	1221
Medical	Health Examination Program (Construction Materials Group 1969-1976)	11 203	1222	1244
Medical	Hazardous Material - Beryllium (files Prior to 1972)	11 203	1286	1287
Medical	Health Examination Form O.C.F. 1970-1971	11 203	1303	1312
Medical	O.C.F. Health Examination Program - General Program Form O.C.F. Correspondence 1968-1976	11 203	1333	1321
Medical	Health Exam Program Periodics 1970-1977	11 203	1322	1329
Medical	Health Exam Program Development 1971-74	11 203	1330	1369
Medical	Imperial Chemicals Company 1969	11 203	1370	1373
Medical	Enterline, Philip - A Study of the Health of Retired Fibrous Glass Workers	11 203	1462	1485
Medical	Clayton Smucker	11 203	1495	1515
Medical	J. Balzer/W. Cooper - Exposure of Insul Workers to Airborne Ig	11 203	1515.01	1533
Medical	J. Balzer - Exposure of Sheet Metal Workers to Airborne Ig	11 203	1536	1569
Medical	L. Balzer & W. Cooper - Electron B Light Microscopic Identification of Glass Fibers in Air	11 203	1569.01	1641

PHE 73 DOCUMENTS LOCATED IN
OAKRIS COMMING FINEGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

Source	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	Paul Gross, M.D. Significance of Induced Chest Tumors - A Proposed Investigation	11 203	1803	1867
Medical	Unlabeled	11 203	1848	1888
Medical	Gross - The Pulmonary Reaction to High Concentrations of Fg. Dust	11 203	1889	1962
Medical	Unlabeled	11 203	1963	1977
Medical	Occupational Health and Industrial Medicine (Jan. 1971 - December 1972) Industrial Hygiene Digest (Feb. 1972 - Dec. 1973)	11 204	0001	3113
Medical	IH Digest Dec. 1971	11 205	0794	0842
Medical	IH Digest Nov. 1971	11 205	0843	0938
Medical	IH Digest Oct. 1971	11 205	0939	0988
Medical	IH Digest Sept. 1971	11 205	0989	1036
Medical	IH Digest Aug. 1971	11 205	1037	1080
Medical	IH Digest July 1971	11 205	1081	1128
Medical	IH Digest June 1971	11 205	1129	1172
Medical	IH Digest May 1971	11 205	1173	1226

PRE 73 DOCUMENTS LOCATED IN
CURRENTS CORNING FIBERGLAS CORPORATION
ARCHIVES DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Medical	IM Digest Apr. 1971	11 205	1227	1274
Medical	IM Digest March 1971	11 205	1275	1319
Medical	IM Digest Feb. 1971	11 205	1320	1342
Medical	IM Digest Jan. 1971	11 205	1343	1419
Medical	IM Digest Dec. 1970	11 205	1414	1442
Medical	IM Digest Nov. 1970	11 205	1443	1521
Medical	IM Digest Oct. 1970	11 205	1522	1545
Medical	IM Digest Sept. 1970	11 205	1546	1615
Medical	IM Digest Aug. 1970	11 205	1616	1646
Medical	IM Digest July 1970	11 205	1647	1714
Medical	IM Digest June 1970	11 205	1715	1758
Medical	IM Digest May 1970	11 205	1759	1804
Medical	IM Digest April 1970	11 205	1805	1849
Medical	IM Digest March 1970	11 205	1850	1886
Medical	IM Digest Feb. 1970	11 205	1887	1937
Medical	IM Digest Jan. 1970	11 205	1938	1993

PRE 73 DOCUMENTS LOCATED IN
OURING CORNING FINEGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	IM Digest Dec. 1969	11 205	1994	2034
Medical	IM Digest Nov. 1969	11 205	2035	2074
Medical	IM Digest Oct. 1969	11 205	2075	2129
Medical	IM Digest Sept. 1969	11 205	2130	2180
Medical	IM Digest Aug. 1969	11 205	2181	2220
Medical	IM Digest July 1969	11 205	2221	2257
Medical	IM Digest June 1969	11 205	2258	2294
Medical	IM Digest May 1969	11 205	2295	2336
Medical	IM Digest April 1969	11 205	2337	2377
Medical	IM Digest Mar. 1969	11 205	2378	2419
Medical	IM Digest Feb. 1969	11 205	2420	2466
Medical	IM Digest Jan. 1969	11 205	2467	2528
Medical	IM Digest Dec. 1968	11 205	2529	2569
Medical	IM Digest Nov. 1968	11 205	2570	2602
Medical	IM Digest Oct. 1968	11 205	2603	2631
Medical	IM Digest Sept. 1968	11 205	2632	2694

PRE 73 DOCUMENTS LOCATED IN
OWENS CHEMICALS FILMGAS CORPORATION
ASBESTOS DOCUMENT REPOSITORY

10/31/09

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Medical	IM Digest Aug. 1968	11 205	2695	2734
Medical	IM Digest July 1968	11 205	2735	2774
Medical	IM Digest June 1968	11 205	2772	2811
Medical	IM Digest May 1968	11 205	2812	2848
Medical	IM Digest April 1968	11 205	2849	2884
Medical	IM Digest Mar. 1968	11 205	2885	2925
Medical	IM Digest Feb. 1968	11 205	2926	2955
Medical	IM Digest Jan. 1968	11 205	2956	2984
Medical	IM Digest 1/58	11 206	0001	0043
Medical	IM Digest 3/58	11 206	0044	0089
Medical	IM Digest 4/58	11 206	0090	0134
Medical	IM Digest 5/58	11 206	0135	0174
Medical	IM Digest 6/58	11 206	0175	0229
Medical	IM Digest 11/58	11 206	0230	0272
Medical	IM Digest 12/58	11 206	0273	0314

PRE 73 DOCUMENTS LOCATED IN
 QUEM'S CORNING FILM REEL'S CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	IM Digest 7/61	11 206	0315	0355
Medical	IM Digest 8/61	11 206	0356	0392
Medical	IM Digest 9/61	11 206	0393	0428
Medical	IM Digest 2/62	11 206	0429	0462
Medical	IM Digest 3/62	11 206	0463	0500
Medical	IM Digest 5/62	11 206	0501	0538
Medical	IM Digest 6/62	11 206	0539	0574
Medical	IM Digest 7/62	11 206	0575	0611
Medical	IM Digest 8/62	11 206	0612	0648
Medical	IM Digest 9/62	11 206	0649	0685
Medical	IM Digest 10/62	11 206	0686	0727
Medical	IM Digest 11/62	11 206	0728	0763
Medical	IM Digest 12/62	11 206	0764	0799
Medical	IM Digest 1/57	11 206	0800	0847
Medical	IM Digest 2/57	11 206	0848	0890
Medical	IM Digest 3/57	11 206	0891	0937

PRE 73 DOCUMENTS LOCATED IN
 CLIENTS' CHAIRING FIRE INCLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE END PAGE
Medical	IM Digest 4/57	11 206	0958	0977
Medical	IM Digest 5/57	11 206	0978	1023
Medical	IM Digest 6/57	11 206	1024	1058
Medical	IM Digest 7/57	11 206	1059	1100
Medical	IM Digest 8/57	11 206	1101	1165
Medical	IM Digest 9/57	11 206	1166	1190
Medical	IM Digest 10/57	11 206	1191	1239
Medical	IM Digest 11/57	11 206	1240	1282
Medical	IM Digest 12/57	11 206	1283	1315
Medical	IM Digest 1/56	11 206	1316	1356
Medical	IM Digest 2/56	11 206	1357	1399
Medical	IM Digest 3/56	11 206	1400	1436
Medical	IM Digest 4/56	11 206	1437	1480
Medical	IM Digest 5/56	11 206	1481	1524
Medical	IM Digest 7/56	11 206	1525	1564
Medical	IM Digest 8/56	11 206	1565	1607

PRI 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Medical	IM Digest 9/54	11 206	1608	1662
Medical	IM Digest 10/54	11 206	1663	1708
Medical	IM Digest 11/54	11 206	1709	1773
Medical	IM Digest 12/54	11 206	1774	1815
Medical	IM Digest 1/54	11 206	1814	1863
Medical	IM Digest 3/54	11 206	1864	1913
Medical	IM Digest 2/54	11 206	1914	1928
Medical	IM Digest 4/54	11 206	1929	1983
Medical	IM Digest 5/54	11 206	1984	2043
Medical	IM Digest 6/54	11 206	2044	2096
Medical	IM Digest 7/54	11 206	2097	2156
Medical	IM Digest 8/54	11 206	2157	2213
Medical	IM Digest 9/54	11 206	2214	2260
Medical	IM Digest 10/54	11 206	2261	2310
Medical	IM Digest 11/54	11 206	2311	2358
Medical	IM Digest 12/54	11 206	2359	2411

PM 75 DOCUMENTS LOCATED IN
 QUENS-COMING FIDELIAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	IM Digest 1/55	11 206	2412	2465
Medical	IM Digest 2/55	11 206	2466	2509
Medical	IM Digest 3/55	11 206	2510	2541
Medical	IM Digest 4/55	11 206	2542	2612
Medical	IM Digest 5/55	11 206	2613	2675
Medical	IM Digest 6/55	11 206	2676	2733
Medical	IM Digest 7/55	11 206	2734	2795
Medical	IM Digest 8/55	11 206	2796	2849
Medical	IM Digest 9/55	11 206	2850	2912
Medical	IM Digest 10/55	11 206	2913	2975
Medical	IM Digest 11/55	11 206	2976	3041
Medical	IM Digest 12/55	11 206	3042	3098
Medical	IM Digest 1/63	11 206	3099	3135
Medical	IM Digest 2/63	11 206	3136	3169
Medical	IM Digest 3/63	11 206	3170	3205
Medical	IM Digest 4/63	11 206	3206	3247

PH 73 DOCUMENTS LOCATED IN
CARLOS-CONRILLO FINE REEL AS COMPANION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	IM Digest 5/63	11 206	3248	3281
Medical	IM Digest 6/63	11 206	3282	3317
Medical	IM Digest 7/63	11 206	3318	3359
Medical	IM Digest 8/63	11 206	3360	3400
Medical	IM Digest 9/63	11 206	3400 01	3454
Medical	IM Digest 10/63	11 206	3455	3503
Medical	IM Digest 11/63	11 206	3504	3545
Medical	IM Digest 12/63	11 206	3546	3583
Medical	IM Digest 1/64	11 206	3584	3625
Medical	IM Digest 2/64	11 206	3626	3671
Medical	IM Digest 3/64	11 206	3672	3719
Medical	IM Digest 4/64	11 206	3720	3766
Medical	IM Digest 12/64	11 206	3767	3823
Medical	IM Digest 11/64	11 206	3824	3865
Medical	IM Digest 10/64	11 206	3866	3908
Medical	IM Digest 8/64	11 206	3909	3951

PRI 73 DOCUMENTS LOCATED IN
OURHS COMMING FINEAGLAS CORPORATION
ASAM SLOS DOCUMENT DE POSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	IM Digest 7/64	11 204	3952	3992
Medical	IM Digest 6/64	11 204	3993	4037
Medical	IM Digest 5/64	11 204	4038	4098
Medical	IM Digest 2/64	11 204	4099	4156
Medical	IM Digest 12/63	11 204	4137	4177
Medical	IM Digest 11/63	11 204	4178	4218
Medical	IM Digest 10/63	11 204	4219	4257
Medical	IM Digest 9/63	11 204	4258	4318
Medical	IM Digest 8/63	11 204	4319	4356
Medical	IM Digest 7/63	11 204	4357	4396
Medical	IM Digest 6/63	11 204	4397	4432
Medical	IM Digest 5/63	11 204	4433	4464
Medical	IM Digest 4/63	11 204	4465	4504
Medical	IM Digest 3/63	11 204	4505	4542
Medical	IM Digest 2/63	11 204	4543	4586
Medical	IM Digest 1/63	11 204	4587	4624

PRI 75 DOCUMENTS LOCATED IN
CARLIS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	IM Digest 12/66	11 206	4625	4657
Medical	IM Digest 11/66	11 206	4658	4708
Medical	IM Digest 10/66	11 206	4709	4742
Medical	IM Digest 9/66	11 206	4743	4783
Medical	IM Digest 8/66	11 206	4784	4817
Medical	IM Digest 7/66	11 206	4818	4849
Medical	IM Digest 6/66	11 206	4850	4881
Medical	IM Digest 5/66	11 206	4882	4916
Medical	IM Digest 4/66	11 206	4917	4954
Medical	IM Digest 3/66	11 206	4955	4989
Medical	IM Digest 2/66	11 206	4990	5021
Medical	IM Digest 1/66	11 206	5022	5058
Medical	IM Digest 12/67	11 206	5059	5089
Medical	IM Digest 11/67	11 206	5090	5121
Medical	IM Digest 10/67	11 206	5122	5137
Medical	IM Digest 9/67	11 206	5158	5190

PRI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Medical	IM Digest 0/67	11 206	5199	5260
Medical	IM Digest 7/67	11 206	5261	5294
Medical	IM Digest 6/67	11 206	5295	5326
Medical	IM Digest 5/67	11 206	5327	5355
Medical	IM Digest 4/67	11 206	5356	5385
Medical	IM Digest 3/67	11 206	5386	5428
Medical	IM Digest 2/67	11 206	5429	5464
Medical	IM Digest 1/67	11 206	5465	5497
Medical	Arch Env. Health 12/70	11 207	0310	0317
Medical	Arch Env. Health 7/70	11 207	0318	0329
Medical	Arch Env. Health 6/70	11 207	0330	0341
Medical	Arch Env. Health 5/70	11 207	0342	0352
Medical	Arch Env. Health 4/70	11 207	0353	0357
Medical	Arch Env. Health 0/69	11 207	0358	0363
Medical	Arch Env. Health 9/68	11 207	0364	0373

PRI 73 DOCUMENTS LOCATED IN
OWENS COMMING FILMGAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Medical	Archives of Environmental Health (October 1972)	11 207	1041	1126
Medical	Archives of Environmental Health September 1972	11 207	1127	1212
Medical	Archives of Environmental Health (July 1972)	11 207	1213	1298
Medical	Archives of Environmental Health (June 1972)	11 207	1299	1384
Medical	Archives of Environmental Health (May 1972)	11 207	1385	1470
Medical	Archives of Environmental Health (March 1972)	11 207	1471	1556
Medical	Archives of Environmental Health (December 1971)	11 207	1557	1642
Medical	Archives of Environmental Health June 1971	11 207	1643	1741
Medical	Archives of Environmental Health May 1971	11 207	1742	1859
Medical	Archives of Environmental Health (March 1971)	11 207	1860	1976
Medical	British Journal of Industrial Medicine	11 208	0001	0112
Medical	British Journal of Industrial Medicine	11 208	0113	0234
Medical	British Journal of Industrial Medicine April 1972	11 208	0235	0347
Medical	British Journal of Industrial Medicine July	11 208	0348	0493

PRI 73 DOCUMENTS LOCATED IN
UNION'S (UNIONING FILM REELS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
	1972			
Medical	British Journal of Industrial Medicine October 1972	11 208	0494	0609
Medical	American Industrial Hygiene Association Journal Sept./Oct. 1969	11 208	1918	2044
Medical	American Industrial Hygiene Association Journal March-Apr. 1970	11 208	2045	2258
Medical	American Industrial Hygiene Association Journal May 1971	11 208	2259	2420
Medical	American Industrial Hygiene Association Journal Aug. 1971	11 208	2421	2530
Medical	American Industrial Hygiene Association Journal Mar.-June 1970	11 208	2531	2696
Medical	American Industrial Hygiene Association Journal Sept.-Oct. 1970	11 208	2697	2838
Medical	American Industrial Hygiene Association Journal September 1971	11 208	2839	2932
Medical	American Industrial Hygiene Association Journal May 1972	11 208	2933	3030
Medical	Health Examination Program Prepayment 1977-1979	11 209	1109	1124
Medical	Medical Policy & Procedures Manual 1970	11 209	1159	1165

PRE 73 DOCUMENTS LOCATED IN
 OUR MS (CHIMING FIBERGLASS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE ENC PAGE	FILE ENC PAGE
Medical	Litigation William Ringerson	11 210	02008 02	02009 01
Medical	Berlin	11 210	1975 02	2235 01
Medical	Health Examination Program 1979	11 211	00022	00009
Medical	Safety - General	11 211	0147	0113
Medical	C	11 211	2024	2029
Medical	Unlabeled (Medical Data Base - Occupational B Environmental, GK Series)	11 211	2161	2233
Medical	Unlabeled (list of (loss (exposure) (code)	11 211	2274	2291
Medical	Unlabeled (list of Dept. 8 Job Titles by (loss (Exposure) (code)	11 211	2292	2304
Medical	Unlabeled	14 001	0001	0144
Medical	Animal Research fiberglass	17 001	0206	0333
Medical	#9A	17 008	0525	0860

PRE 73 DOCUMENTS LOCATED IN
OURHS (COMMING FIRM) & AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Merchandising	S 456 1, Jyrco Sample Label	20 001	0001	0006 01
Merchandising	S 456, Jyrco Sample Label	20 001	0007	0014
Merchandising	S-43-3, Perma Ply Label	20 001	0015	0020
Merchandising	S-386, Kaylo Label	20 001	0021	0030
Merchandising	S-387, Kaylo Label	20 001	0031	0040
Merchandising	S-391, Kaylo Core Label	20 001	0041	0048 01
Merchandising	I 1 163, Kaylo 20 Label	20 001	0049	0058
Merchandising	I 1 395, High Temp. Block Insulation Label	20 001	0059	0061
Merchandising	I 1 482, Calcium Silicate Insulation, Label	20 001	0062	0068
Merchandising	I 1 489	20 001	0069	0075
Merchandising	I 1 521	20 001	0076	0080
Merchandising	I 1 552, New SFS for stainless steel applications label	20 001	0081	0084
Merchandising	I 1 610, Warning	20 001	0085	0089
Merchandising	I 4 10, Kaylo Klad Embossed Alum Jkt	20 001	0090	0094
Merchandising	I 4 12, Hylco 1800 for temperatures to 1800 F	20 001	0097	0104

PAGE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
Merchandising	L 4.33, Metal Clad Pipe Insulation	20 001	0105	0109 02
Merchandising	L 4.26, Kaylo Klad Smooth Alum Jbl	20 001	0110	0118
Merchandising	L 4.27, Kaylo Klad Stainless Steel 1200 degrees F	20 001	0119	0124
Merchandising	L 4.27, Kaylo Klad Pipe Insul. (Stainless Steel)	20 001	0125	0127
Merchandising	L 4.28 High Temperature Pipe Insulation Label	20 001	0128	0137
Merchandising	L 4.31, Oxf Fitting Mastic Labels	20 001	0138	0142
Merchandising	L 4.32, Oxf Fitting Mastic Labels	20 001	0143	0148
Merchandising	L 4.33 Oxf Fitting Mastic Labels	20 001	0149	0151
Merchandising	L 4.35	20 002	0001	0010 01
Merchandising	L 4.36	20 002	0011	0021 01
Merchandising	L 4.37	20 002	0022	0032 01
Merchandising	L 4.40, Oxf Fitting Mastic, Type H	20 002	0033	0035 01
Merchandising	L 4.41, Oxf Fitting Mastic, Type H	20 002	0036	0039 01
Merchandising	L 4.42, Oxf Fitting Mastic, Type H	20 002	0040	0042 01

PRE 73 DOCUMENTS LOCATED IN
OWNERS (OWNING) FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Merchandising	L. 4. 51, Kaylo 20 1800 degrees f	20 002	0045	0247 01
Merchandising	L. 4. 52, Kaylo 10 515, 1200 degrees f	20 002	0048	0052 01
Merchandising	L. 4. 61, Asbestos free	20 002	0053	0054 01
Mixed	Asbestos, Box No. A	01 023	0437	0758
Mixed	Asbestos - Box No. A	01 029	0285	0424
Mixed	Historical Kaylo Correspondence E 1	01 034	0585	0866
Mixed	Unlabeled	01 039	0001	0500
Mixed	Unlabeled	01 039	0501	0681
Mixed	Unlabeled	01 039	0482	1016
Mixed	Unlabeled	01 039	1017	1357
Mixed	Unlabeled	01 046	0001	0113
Mixed	Unlabeled	01 046	1176	1303

PRI 75 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Mixed	Pressure Prehardening, 10' S I B Experimental Pipe Insulation Trials	01 047	1071	1189
Mixed	K-17 Core	01 048	2192	2385
Mixed	Berlin Plant 9/69-1/70	01 049	1579	1845
Mixed	Unlabeled	01 062	1661	1716
Mixed	Unlabeled	01 066	0001	0538
Mixed	Kaylo, Mining and Process Procedures	01 069	1321	1505
Mixed	Historical Kaylo Corresp 5 2	01 078	0175	0403
Mixed	Unlabeled	01 081	0001	0223
Mixed	Unlabeled	01 081	0854	0931
Mixed	P R. No 89	01 092	0450	0543

PRE 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Mixed	Unlabeled	01 093	0022	0270
Mixed	Unlabeled	01 093	0783	2608
Mixed	Unlabeled	01 094	0001	1088
Mixed	Unlabeled	01 094	2544	2616
Mixed	Unlabeled	01 096	0001	0491
Mixed	Unlabeled	01 097	0172	0643
Mixed	Duplicates - Saranac	01 501	1307	1334
Mixed	PR No. 148	60 004	0289	0420
Mixed	Interoffice Correspondence	60 012	0553	0572
Mixed	Insulating & Material Division 1970	60 016	0317	0331

Part 73 Documents Located in
Queens (Mining Film Negs) Corporation
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SOURCE	FILE TITLE	BOX #	FILE NEG PAGE	FILE NEG PAGE
Mixed	Westinghouse Electric Corp 1970	60 019	1429	1751
Mixed	Interoffice Correspondence 1969	60 020	0693	0848
Newark Plant	Ralph Wadler Attack on Plant, 1965	32 001	0312	0358
Newark Plant	Chemical Information	32 001	0353	0360
Newark Plant	Clayton	32 001	0387	0395
Newark Plant	Kettering Lab	32 001	0396	0444
Newark Plant	Miscellaneous OSHA Information 1970's	32 001	0879	0919
Newark Plant	Devitt	32 001	0993	1007
Newark Plant	Invoices			
Queens - Illinois	Berlin Operation file 73 5 2, Development of Kaylo Switch Mining Procedure, at Berlin Plant, June 15, 1954	01 019	0215	0244

PRE 75 DOCUMENTS LOCATED IN
QUEENS LOBBING FILM REELS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Queens Illinois	Correspondence, Kaylo Process, July - Sept 1955	01 003	0001	0146
Queens Illinois	Kaylo Southwest Plant Survey - 1953	01 003	0147	0246
Queens Illinois	Correspondence, Kaylo Process, Jan - March 1957	01 003	0247	0423
Queens Illinois	Correspondence, Kaylo Products, Procedures, March - May 1956	01 003	0424	0522
Queens Illinois	Correspondence, Asbestos fiber length and Processing Trials, Sept - Oct 1956	01 003	0523	0647
Queens Illinois	Correspondence, Kaylo Products, Procedures, October - December 1956	01 003	0648	0785
Queens Illinois	81 B Asbestos 1954 - 1955	01 003	0807	0856
Queens Illinois	Kaylo Batch Material Purchase Specifications 1961; Kaylo 01 Bar Material Specification Manual 1950	01 003	0858	0943
Queens Illinois	Correspondence Kaylo Products, Procedures June - Sept 1956	01 003	0945	1046
Queens Illinois	Correspondence, Kaylo Products, October thru December 1955	01 003	1047	1182
Queens Illinois	Correspondence, Kaylo Process, April 1957	01 003	1183	1313
Queens Illinois	Properties of Kaylo Thermal Insulation and Competitive Materials	01 003	1314	1340

PRE 75 DOCUMENTS LOCATED IN
QUEMS (QUEMME FILM REELS CORPORATION)
ASBESTOS DOCUMENT DEPOSITORY

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SOURCE	FILE TITLE	Box #	FILE MIC. PAGE	FILE MIC. PAGE
Queens Illinois	Correspondence, Kaylo Products, August September 1955	01 003	1559	1633
Queens Illinois	Q3 1 Off-shore Study at Berlin Plant (SR 75-37) 1952 - 1953	01 003	1435	1536
Queens Illinois	Kaylo - Historical Testing Procedures and Specifications - 1948	01 004	0004	0101
Queens Illinois	Correspondence, Kaylo Products; Procedures January, February 1954	01 004	0102	0243
Queens Illinois	Correspondence, formulation changes and tests, August 1956	01 004	0245	0321
Queens Illinois	Data Sheets, Kaylo Heat Insulation	01 004	0322	0434
Queens Illinois	Kaylo - factors affecting thermal conductivity	01 004	0435	0482
Queens Illinois	Kaylo 20 core	01 004	0589	0829
Queens Illinois	Granville Reports	01 004	0889	0903
Queens Illinois	The Development and Properties of Kaylo Insulating Cement #6, Project 88 2	01 004	0904	0916
Queens Illinois	Correspondence Kaylo Process 1954	01 004	0917	1018
Queens Illinois	Correspondence, Kaylo Products, June July 1955	01 004	1535	1582

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Queens-Illinois	Correspondence Kaylo Products, January June 1955	01 004	1503	1651
Queens-Illinois	Correspondence Kaylo Process Jan. June 1955	01 005	0000	0156
Queens-Illinois	Unlabeled	01 005	0372	0793
Queens-Illinois	Volume 1, Development of and Experiments with the 6" x 23" S.I.B. Cylinders at Berlin, Project 82.1	01 005	0794	0839
Queens-Illinois	Formulation Studies of Kaylo Products Project 88, Effect of Asbestos Variations on Physical Properties of Kaylo Thermal Insulation, November 4, 1955, O. L. Bishop	01 005	0840	0874
Queens-Illinois	Chemical and Physical Properties of Commercial Thermal Insulation Project 83.1, Properties of Kaylo Thermal Insulation and Competitive Materials, J. Scouraneb, March 25, 1955	01 005	0875	0904
Queens-Illinois	Kaylo Division, Sugar Cane Bagasse Kaylo	01 005	0905	0925
Queens-Illinois	Kaylo Correspondence 1/52 - 9/54	01 010	1459	1646
Queens-Illinois	1950's Kaylo Batch Formulations	01 018	0166	0407
Queens-Illinois	Kaylo Batch Formulations, 1955	01 018	0408	0431

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SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
Queens Illinois	Correspondence Raw Materials, Formulations, Test Results, May, June, July 1956	01 018	0432	0424
Queens-Illinois	Kaylo Pipe Sizes, Heat Loss Surface Temp Efficiency	01 020	0108	0316
Queens-Illinois	Queens-Illinois Glass Company General Research Laboratory Note Book No. 420	01 020	0317	0434
Queens-Illinois	Queens-Illinois Glass Company Glass Co. General Research Laboratory Notebook No. 373	01 020	0435	0554
Queens Illinois	Queens Illinois Glass Company General Research Laboratory Notebook No. 393	01 020	0815	0928
Queens Illinois	Queens Illinois Glass Company and Subsidiaries Technical Notebook No. 790	01 020	0929	1096
Queens Illinois	Kaylo Historical 10 ft S.I.B. Test Trial, Sayreville, 1952	01 020	1097	1287
Queens-Illinois	Kaylo Historical Queens Illinois, General Research Progress Reports, 1952	01 020	1343	1535
Queens-Illinois	Queens Illinois Glass Company and Subsidiaries Technical Notebook No. 866	01 021	0001	0105
Queens-Illinois	Queens Illinois Glass Company and Subsidiaries Technical Notebook No. 907	01 021	0706	0782
Queens-Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No. 376	01 021	0183	0291

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SOURCE	FILE TITLE	BOX #	FILE REL PAGE	FILE END PAGE
Queens Illinois	Queens Illinois Glass Company and Subsidiaries Technical Notebook No 760	01 021	0292	0411
Queens Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No 392	01 021	0412	0496
Queens Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No 300	01 021	0497	0507
Queens Illinois	Queens-Illinois Glass Company and Subsidiaries Technical Notebook No. 721	01 021	0508	0506
Queens Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No. 475	01 021	0507	0690
Queens Illinois	Queens Illinois Glass Company and Subsidiaries Technical Notebook No 783	01 021	0699	0865
Queens Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No 185	01 021	0866	0967
Queens Illinois	Queens-Illinois Glass Company and Subsidiaries Technical Notebook No 555	01 021	0968	1155
Queens Illinois	Queens Illinois Glass Company General Research Laboratory Notebook No 482	01 021	1156	1222
Queens Illinois	Queens-Illinois Glass Company General Research Laboratory Notebook No 707	01 021	1223	1391
Queens Illinois	Final Report, Investigation Concerning the Capacity of Inhaled Kayle Dust to Injure the Lung, to the Queens-Illinois Glass Company, Toledo, Ohio, by the Serenac Laboratory.	01 034	0001	0032

PRI 73 DOCUMENTS LOCATED IN
CUMMIS CORP. FIRM REELAS CORPORATION
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SOURCE	FILE NUMBER	BOX #	FILE REC PAGE	FILE END PAGE
Queens - Illinois	Saranac Lake, New York, January 30, 1952			
Queens - Illinois	Hydrous Calcium Silicates Part V, Physical and Chemical Properties of Kaylo Products, Project 80	01 034	0033	0064
Queens - Illinois	Original Navy Specs - Kaylo	01 034	0065	0249
Queens - Illinois	Monthly Reports, Berlin, January December 1949	01 034	0250	0504
Queens - Illinois	Correspondence, Kaylo Process, October-December 1955	01 034	0047	1003
Queens - Illinois	Historical, Queens - Illinois General Research Progress Reports 1947 1949 1954 1955	01 034	1004	1291
Queens - Illinois	Kaylo, Technical Committee Meeting Minutes... 0 1	01 034	1292	1343 01
Queens - Illinois	Berlin Laboratory Monthly Reports, 1949	01 034	1344	1559
Queens - Illinois	Progress Report, General Research Division, First Quarter, 1957	01 034	1540	1574
Queens - Illinois	Excerpts from Research & Development Reports on Kaylo, Work Conducted at Berlin, New Jersey, Prior to 1950	01 034	1575	1735
Queens - Illinois	Correspondence, Breakage Tests, Abrasion Tests, November December 1956	01 034	1736	1893
Queens - Illinois	BS 1 Chemical & Physical Properties of	01 035	0001	0252

PRE 75 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
	Commercial Thermal Insulation 1957			
Quens Illinois	BB - Formulation Studies of Kaylo & Related Products 1952-1953	01 035	0253	0268
Quens Illinois	Pipe Covering Defects	01 035	0269	0279
Quens Illinois	Chemical and Physical Properties, Factors Affecting Thermal Conductivity, R. F. Shannon	01 035	0280	0327
Quens Illinois	Projected Berlin Plant Addition of 4 510 Cylinders	01 035	0328	0348
Quens Illinois	Quens Illinois Kaylo Division No. 2 Production Line Training Manual	01 035	0349	0393
Quens Illinois	Plant Production and Cost Meeting March 31 April 1, 1954, Berlin, New Jersey	01 035	0394	0439
Quens Illinois	Part IV Kaylo Raw Materials & Processes	01 035	0440	0497
Quens Illinois	Hydraus Calcium Silicates, Part V, Physical and Chemical Properties of Kaylo Products, Project 80	01 035	0498	0530
Quens Illinois	01 B Asbestos 1957	01 035	0531	0653
Quens Illinois	Historical Kaylo Correspondence, M R	01 035	0654	0958
Quens Illinois	Development of Kaylo Hard Facing and Laminating Cement, Project 80 J, The Development and Properties of Kaylo Finishing and Laminating Cement 85	01 035	0959	0974

PRI 73 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Quens Illinois	Formulation Studies of Kaylo Products, Project 88, Effect of Asbestos Variations on Physical Properties of Kaylo Thermal Insulation	01 035	0975	1009
Quens Illinois	Hydrous Calcium Silicates, Part IV, Kaylo New Materials and Processes, Project 80	01 035	1010	1040
Quens Illinois	Information File, Kaylo Products	01 039	1358	1430
Quens Illinois	Hydrous Calcium Silicates, Part II, Nematite and Lepistol Kaylo Products, Also Part III & Part IV	01 047	0969	1072
Quens Illinois	Correspondence Tests - Kaylo Materials Processing Changes, January, February 1956	01 050	0362	0477
Quens Illinois	Development of and Experiments with the 6" x 23" SIB cylinders at Berlin -- Volume I	01 051	0343	0390
Quens Illinois	Unlabeled	01 051	2147	2236
Quens Illinois	Unlabeled	01 051	2237	2282
Quens Illinois	Kaylo Drying Reports, 364	01 051	2282 01	2332
Quens Illinois	Unlabeled	01 052	0482	0487

PRI 75 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE DEC PAGE	FILE END PAGE
Queens Illinois	Patent Memorandum, Speculated Asbestos, by Lewis H. Fraser	01 052	0945	1020
Queens Illinois	Unlabeled	01 052	1001	2033
Queens Illinois	Third Progress Report on Investigation of Effects of Additions of Asbestos to Microaporite to Queens Illinois Glass Company	01 043	0001	0043
Queens Illinois	Second Progress Report on Investigation of Effects of Additions of Asbestos to Microaporite to Queens Illinois Glass Company	01 043	0044	0071
Queens Illinois	Patent Status of K-10 Products	01 043	0072	0090
Queens Illinois	Fourth Progress Report on the Fundamental Study and Additions of Asbestos to Microaporite to Queens Illinois Glass Company	01 043	0099	0182
Queens Illinois	Microaporite Data of Gypsum, Lime and Alabastine	01 043	0183	0203
Queens Illinois	Laboratory Notes on Microaporite Cement Queens Illinois Glass Co.	01 043	0309	0402
Queens Illinois	Eighth Progress Report on the Fundamental Study of Microaporite to Queens Illinois Glass Company	01 043	0403	0454
Queens Illinois	Report on Availability of Asbestos to Queens Illinois Glass Co. (5734)	01 043	0455	0486
Queens Illinois	Tenth Progress Report on Studies of Kaylo to Queens Illinois Glass Company	01 043	0487	0498

PRE 75 DOCUMENTS LOCATED IN
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SOURCE	TITLE	BOX #	FILE	FILE	FILE
Queens Illinois	Ninth Progress Report on Studies of Kaylo to Queens Illinois Glass Company	01 063	0499	0499	0499
Queens Illinois	First Progress Report on Fundamental Study of Microporite to Queens Illinois Glass Company	01 065	0556	0556	0556
Queens Illinois	Sixth Progress Report on Experiments on Making Microporite and a Proposed New Method of Processing to Queens Illinois Glass Company	01 063	0549	0549	0549
Queens Illinois	Fifth Progress Report on the Fundamental Study of Microporite to Queens Illinois Glass Company	01 063	0546	0546	0546
Queens Illinois	Second Progress Report on the Fundamental Study of Microporite to Queens Illinois Glass Company	01 063	0618	0618	0618
Queens Illinois	Seventh Progress Report on the Fundamental Study of K LO to Queens Illinois Glass Company	01 063	0716	0716	0716
Queens Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Project 83, factors Affecting Thermal Conductivity, W C Taylor	01 063	0581	0581	1028
Queens Illinois	Excerpts from Research & Development Reports on Kaylo Work Conducted at Berlin, New Jersey, Prior to 1950	01 066	0883	0883	1064 01
Queens Illinois	Historical Queens Illinois General Research Progress Reports 1951 1952	01 068	0001	0001	0122

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Quinn Illinois	Kaylo OI Can Research Progress Reports, 1953, 1957, 1958	01 068	0123	0235
Quinn Illinois	Kaylo, Historical, Proposed Pipe Covering Manufacturing Facility, Sayreville, Jan 1953	01 069	1032	1136
Quinn Illinois	Kaylo, Historical, Quinn Illinois General Research, Progress Reports 1947, 1948	01 069	0001	0181
Quinn Illinois	Kaylo, Historical, Process Engr'ng Reports, 1954, 1955, 1956, 1957	01 069	0875	0973
Quinn Illinois	Monthly Reports from the Toledo Laboratory 1944, 1945, 1946	01 071	0465	1234
Quinn Illinois	Correspondence Kaylo Process April-June 1957	01 071	1235	1400
Quinn Illinois	Correspondence Raw Materials for Kaylo March, April 1956	01 071	1401	1550
Quinn Illinois	Unlabeled	01 079	1617	1836
Quinn Illinois	Unlabeled	01 079	1837	2075
Quinn Illinois	Bouthern Volume I	01 088	0195	0336
Quinn Illinois	Kaylo Packaging, Quality Control, Mold Cleaning, January-June 1954	01 088	0375	0481

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QUENS CORNING FIBERGLAS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Queens Illinois	Sayreville Plant	01 000	0504	0747
Queens Illinois	Vertical Casting, Volume II	01 000	0748	0894
Queens Illinois	Vertical Casting, Volume III	01 000	0895	1049
Queens Illinois	Cylindrical Pressing Process for Manufacture of Kaylo Insulating Materials and Other Related Products of Various Benefits by Extrusion	01 000	1201	1216
Queens Illinois	Southern Volume II	01 009	0329	0430
Queens Illinois	Core Material Program	01 009	0574	0821
Queens Illinois	Vertical Casting Volume I	01 009	0822	0940
Queens Illinois	Progress Report No. 5 on Superheated Steam in Drying, The Steam Drying of Kaylo Slabs	01 009	1254	1309
Queens Illinois	Project #755, April, 1948, Radiant Heat Transfer to Superheated Steam in an Annulus	01 009	1325	1368
Queens Illinois	Unlabeled	01 096	0492	0562
Queens Illinois	An Investigation of the Properties of Kaylo with Respect to Vapor Transmission and Moisture Accumulation for Queens Illinois Glass Company	01 096	0764	0843
Queens Illinois	Unlabeled	01 096	1297	1600

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SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Queens Illinois	Moisture Accumulation in Kaylo Summary Progress Report No. 2	01 096	1661	1685
Queens Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Project 83, Factors Affecting Thermal Conductivity, W C Taylor	01 096	1686	1733
Queens Illinois	An Investigation of the Properties of Kaylo with Respect to Water Vapor Transmission September 1, 1958	01 096	1734	1788
Queens Illinois	Project 81 - Roof Tile (1946-1945-1944)	01 096	1789	1843
Queens Illinois	Investigation of Accelerators for Prehardening of Kaylo Tiles	01 096	1844	1855
Queens Illinois	Investigation of Accelerators for Prehardening of Kaylo Tiles	01 096	1897	1908
Queens Illinois	Gas Concrete, Foam Concrete, Lime Concrete, Off Experimental Results and Experiences, by Otto Graf	01 096	1909	2046
Queens Illinois	An Investigation of the Properties of Kaylo with Respect to Vapor Transmission and Moisture Accumulation for Queens Illinois Glass Company	01 096	2047	2127
Queens Illinois	Properties of Super Heated Steam	01 097	0844	0727
Queens Illinois	Study of Raloid Pipe Covering Offshore at the Sayreville Plant	01 097	0826	0841

PHI 73 DOCUMENTS LOCATED IN
QUINN'S COBBING FIBREGLASS CORPORATION
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Quinn-Illinois	Observations of the Failure Process at the Berlin Plant During the Weeks of November 9 and November 30, 1953, H.F. Zink	01 097	0842	0857
Quinn-Illinois	Investigation of Moisture Accumulation Resulting from Vapor Flow in Simulated Roofing, Project 83.2	01 097	0858	0884
Quinn-Illinois	Study of Molded Pipe Covering Offshore at Berlin Plant, 73.5.2	01 097	0885	0900
Quinn-Illinois	Formulation Studies of Kaylo Products, Project 88, Effect of Adbestos Variations on Physical Properties of Kaylo Thermal Insulation	01 097	0901	0935
Quinn-Illinois	Investigation of New Kaylo Processes, Project 87.1, Vertical Coating, Prehardening and Ejection of Kaylo Molded Pipe Covering, Section II	01 097	0936	1004
Quinn-Illinois	Berlin Operation file 73.3.2, Development of Kaylo Batch Mixing Procedure at Berlin Plant	01 097	1005	1034
Quinn-Illinois	Progress Report No. 4 on Heat Transfer and Pressure Drop for Superheated Steam Flowing in Plain and Modified Annuli	01 097	1276	1555
Quinn-Illinois	Unlabeled	01 097	1612	1654
Quinn-Illinois	Quinn-Illinois Glass Company General Research Lab Note Book #485	01 099	0001	0117

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Queens-Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Factors Affecting Thermal Conductivity	01 101	0001	0045
Queens-Illinois	Proposed Loading and Unloading Elevator for Cylinder Cars by John K. Selden	01 101	0046	0051
Queens-Illinois	Load Tests of Kaylo Floor Slabs for George A. Fuller Company	01 101	0052	0091
Queens-Illinois	Kaylo Division, Conversion of Sayreville Plant to S.J.D. Process	01 101	0092	0120
Queens-Illinois	Hydrous Calcium Silicates, Part II, Monoflite and Lepiflit Kaylo Products	01 101	0121	0173
Queens-Illinois	Development of Monoflite Kaylo, Project 88-7, Trial Run of Monoflite Kaylo at the Berlin Plant, and Properties of the Product	01 101	0174	0191
Queens-Illinois	K LO Index 42 J-O, Casting and Handling K LO Pipe Covering, by John K. Selden	01 101	0192	0226
Queens-Illinois	Queens-Illinois Glass Company, Berlin Pilot Plant, 1943 Objectives	01 101	0227	0252
Queens-Illinois	Progress Report on a Survey of Various Deposits of Diatomaceous Earth to Queens-Illinois Glass Company	01 101	0253	0261
Queens-Illinois	Report No. 41149, Heat Transfer Tests on 'Kaylo' Heat-Insulating Block, Testing Division, July 8, 1953	01 101	0262	0269
Queens-Illinois	Kansas State College, Gerald Pickett (Ward N. Miller) Thermal Deformation of Steel Pans	01 101	0270	0279

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Quens-Illinois	The Ohio State University Engineering Experiment Station, Project No. 1151, April 1950, Fire and Hose Stream test of 2 Doors for Quens-Illinois Glass Company, Kaylo Div., Toledo, Ohio	01 101	0280	0310
Quens-Illinois	Princeton University, Hans F. Winterborn, Coating of Calcium Silicate Insulating Slabs with Roofing Bitumen	01 101	0311	0321
Quens-Illinois	Unbridged Digest of Simplified Thickness Standards for Plant Protection Moulded B32 Magnesia and High Temperature Insulation	01 101	0322	0329
Quens-Illinois	Phase formation in Hydrate Calcium Silicate Systems, Project B2 5, Studies of the Effect of Reactions of Various Silicates in the Reactions of Formation of Kaylo and Kaylo 20, January 20, 1958	01 101	0330	0362
Quens-Illinois	Project BE-242, 201-S 95-348, fixtures for Cutting Elbow Segments	01 101	0363	0393
Quens-Illinois	Progress Report, General Research Division, Third Quarter, 1957	01 101	0394	0410
Quens-Illinois	Progress Report, General Research Division, Fourth Quarter, 1957	01 101	0411	0423
Quens-Illinois	First Progress Report on Investigation of Effects of Additions of Asbestos to Microperite, to Quens-Illinois Glass Company	01 101	0424	0451
Quens-Illinois	Kaylo Mold Design, Filling, Cleaning, Stripping and Lubrication	01 101	0452	0473
Quens-Illinois	Instruction Manual for the Sayreville S 1 B	01 101	0474	0522

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SOURCE	FILE TITLE	BOX #	FILE NO. PAGE	FILE NO. PAGE
	Plant, C. D. Pavlich, 4/17/52			
Queens-Illinois	Progress Report, Queens-Illinois Glass Company Project, An Investigation of the Properties of Kaylo with Respect to Water Vapor Transmission	01 101	0523	0560
Queens-Illinois	Progress Report, Queens-Illinois Glass Company Project, An Investigation of the Properties of Kaylo with Respect to Water Vapor Transmission	01 101	0561	0588
Queens-Illinois	Instruction Manual for the Seyreville S. I. B. Plant, C. D. Pavlich, 4/17/52	01 101	0589	0636
Queens-Illinois	Kaylo Packaging: Quality Control, Mold Cleaning, July-December 1954	01 101	0637	0777
Queens-Illinois	Transcript of John K. Selden's 1944 Record Book of Inventions	01 101	0890	0919
Queens-Illinois	Berlin Brier, Project No. 95-1	01 101	0920	0946
Queens-Illinois	Proposed Pipe Covering Manufacturing Facilities, January - 1953, Seyreville Plant, Kaylo Division, Queens-Illinois Glass Company	01 101	0947	1033
Queens-Illinois	Project 275-10, Report No. 1, Investigation of Microperite, July 14, 1941	01 101	1034	1203
Queens-Illinois	Project 275-10, Report No. 1, Investigation of Microperite, July 14, 1941	01 101	1204	1297
Queens-Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Project 83,	01 101	1298	1319

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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
Quinn-Illinois	Factors Affecting the High Temperature Shrinkage of Kaylo Thermal Insulation, B. I. Dishap			
Quinn-Illinois	K-Las Insulation, John K. Selden	01 101	1320	1363
Quinn-Illinois	Experimental S.I.B. Burns, Sayreville Plant, February 27, 1952	01 101	1364	1453
Quinn-Illinois	Proton Laboratories Reports	01 101	1452	1716
Quinn-Illinois	Kansas State College, Gerald Pickett, Review of Paper by J.B. Babbitt, The Thermal Properties of Urethane in Bulk	01 101	1717	1722
Quinn-Illinois	Unlabeled	01 101	1723	1727
Quinn-Illinois	Kansas State College, Gerald Pickett, Pen Deflections	01 101	1728	1737
Quinn-Illinois	Kansas State College, Gerald Pickett, Pens, March 25, 1947	01 101	1738	1756
Quinn-Illinois	Project Number E-125, 901-5-95-321, Kaylo Cement Plant, Preliminary Report	01 101	1757	1766
Quinn-Illinois	The Experiment and Properties of Kaylo Insulating Cement #4, Project #8 2	01 101	1767	1778
Quinn-Illinois	A New Calcium Silicate Hydrate, George L. Katzman	01 101	1779	1804
Quinn-Illinois	Volume II, Investigations by General Research in Conjunction with the S I B Program, Kaylo Mold Design, Filling.	01 101	1805	1824

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SOURCE	FILE TITLE	BOX #	FILE REG PAGE	FILE REG PAGE
	Cleaning, Stripping and Lubrication, Project 82.1			
Quens-Illinois	Formulation Studies of Kaylo Products, Project 88, Effect of Asbestos Variations on Physical Properties of Kaylo Thermal Insulation	01 101	1827	1841
Quens-Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Project 83 - Factors Affecting the High Temperature Shrinkage of Kaylo Thermal Insulation	01 102	0001	0022
Quens-Illinois	Chemical and Physical Properties of Commercial Thermal Insulation, Project 83.1, Construction and Operation of Equipment for the Determination of Conductivity of Thermal Insulation	01 102	0023	0096
Quens-Illinois	Raw Material Specifications Manual, November 1, 1950	01 102	0097	0129
Quens-Illinois	A Study of Two Dimensional Flow Around Pipe Covering Models	01 102	0130	0146 01
Quens-Illinois	1 132 June 16-15/49 Comparative Results - Variations in Type of Insulation and Construction - Pilot Panels for American Structural Products Co., Toledo, Ohio	01 102	0147	0173
Quens-Illinois	Fire and Water Test Special Door 'A', Quens-Illinois Glass Co.	01 102	0174	0196
Quens-Illinois	Moisture Accumulation in Kaylo, Summary Progress Report No. 2	01 102	0197	0221

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Quana-Illinois	Berlin Plant Operation, Site 73-3-2, Investigation of Effect of Variables in the Prehardener Operation on the Quality of the Warp	01 102	0222	0273
Quana-Illinois	Progress Report, General Research Division, Second Quarter, 1957	01 102	0274	0292
Quana-Illinois	Phase Formation in Hydrous Calcium Silicate System, Project 82-5, Studies of the Effect of Reaction of Various Diatomites in the Reactions of Formation of Kaylo and Kaylo 20	01 102	0293	0346
Quana-Illinois	Chemical and Physical Properties of Commercial Thermal Insulation, Project 83-1, Construction and Operation of Equipment for the Determination of Conductivity of Thermal Insulation	01 102	0347	0420
Quana-Illinois	Progress Report, General Research Division, Fourth Quarter, 1956	01 102	0421	0435
Quana-Illinois	Chemical and Physical Properties of Hydrous Calcium Silicate Products, Project 83, Factors Affecting the High Temperature Shrinkage of Kaylo Thermal Insulation	01 102	0436	0457
Quana-Illinois	Project 275-10, Report No. 1 Investigation of Microporite	01 102	0458	0468
Quana-Illinois	Microporite Males Pierce Jan, Vol. I	01 102	0469	0728
Quana-Illinois	Project Number 41-1 Lost Study of Proposed 320 Pilot Plant Equipment	01 102	0729	0741
Quana-Illinois	Hydrous Calcium Silicates, Part V, Physical and Chemical Properties of Kaylo Products,	01 102	0742	0773

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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
	Project 80			
Queens-Illinois	Development of Monolite Kaylo, Project 80 7 Trial Run of Monolite Kaylo at the Berlin Plant, and Properties of the Product	01 102	0774	0791
Queens-Illinois	Chemical and Physical Properties of Commercial Thermal Insulation, Project 83 1, Properties of Kaylo Thermal Insulation and Competitive Materials	01 102	0792	0821
Queens-Illinois	Chemical and Physical Properties of Commercial Thermal Insulation, Project 83 1, Properties of Kaylo Thermal Insulation and Competitive Materials	01 102	0822	0851
Queens-Illinois	Berlin Operation, File 73 3 2, Factors Contributing to Offshore	01 102	0852	0879
Queens-Illinois	Berlin Operation, File 73 3 2, Factors Contributing to Offshore	01 102	0880	0907
Queens-Illinois	No. 2 Production Line Training Manual	01 102	0908	0951
Queens-Illinois	Processing of Kaylo Slurries, Vol. II, 5 Years of Disclosures by J.A. Selden	01 102	1064	1151
Queens-Illinois	Comparative Pilot Fire Tests of Mollettes	01 102	1152	1176
Queens-Illinois	Investigation of New Kaylo Processes, Project 87 1, Vertical Casting, Prehardening and Ejection of Kaylo Molded Pipe Covering, Section II	01 102	1177	1252
Queens-Illinois	Volume I, Development of and Experiments with the 6' x 21' 310 cylinders at Berlin,	01 102	1253	1300

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Quens-Illinois

Study of 310 Cycles at Berlin Plant and
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01 102

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Proposal by the J. M. Day Co.

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Processing of Kaylo Slurries, Properties,
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01 102

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Quens-Illinois Glass Company Berlin Pilot
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Investigation of Moisture Accumulation
Resulting from Vapor flow in Simulated
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Berlin Plant Operations, file 73 3 2,
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SOURCE	FILE TITLE	BOX #	FILE SERIAL	FILE PAGE	FILE PAGE
Quinn-Illinois	Development of Kemetite Kaylo, Project BB 7, Trial Runs of Kemetite Kaylo at the Berlin Plant, and Properties of the Product	01 102	1673	1640	1640
Quinn-Illinois	Hydrous Calcium Silicates, Part II, Kemetite and Lapisil Kaylo Products, Project BB	01 102	1641	1679	1679
Quinn-Illinois	Formation of Calcium Silicate Hydrates from CaO and H ₂ SiO ₃ at 300 degrees and 350 degrees C. and High Pressures	01 102	1680	1701	1701
Quinn-Illinois	Kaylo Cement Plant	01 102	1702	1978	1978
Quinn-Illinois	Sermons Report and Files - Kaylo, Berlin, NJ	01 501	1342	1482	1482
Quinn-Illinois	73. Berlin Plant, 1957	01 019	0349	0783 01	0783 01
Personnel	Quinn Corning Fiberglass Corp History #1	01 500	0303	0320	0320
Personnel	Fiberglass Health Program, B A O'Neill	01 500	1657	1887	1887
Process & Quality Control	QC Reports 1965 1966	01 078	0404	0422	0422

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SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
Process & Quality Control	IN-618	42 003	0021	0077
Process & Quality Control	IN-619	42 003	0078	0447
Process & Quality Control	Enc. 1/28/74, IN-611.3, Mfg cancelled 11-13-72	42 003	0448	0477
Process & Quality Control	IN-619.5, Enc. 4-24-69	42 003	0478	0487
Process & Quality Control	Enc. 1/28/74, IN-611.6, Mfg cancelled 11-13-72	42 003	0488	0578
Process & Quality Control	IN-620	42 003	0579	0801
Process & Quality Control	Enc. 1/28/74, IN-620, Mfg cancelled 11-13-72	42 003	0802	1123
Process & Quality Control	Enc. 5/22/67, IN-620.1, Ltd Dist.	42 003	1124	1132
Process & Quality Control	Enc. 10/5/66, IN-620.2, Ltd Dist.	42 003	1133	1170
Process & Quality Control	IN-620.3, B/6/85	42 003	1171	1181
Process & Quality Control	Enc. 7/16/73, IN-636, 5622	42 003	1182	1382
Process & Quality Control	Enc. 7/16/73, IN-636.1, 5622	42 003	1383	1494

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Process & Quality Control	conc. 7/16/73, IM-636.3 LO, 5422	42 003	1455	1451
Process & Quality Control	conc. 7/16/73, IM-636.4 LO, 5422	42 003	1452	1402
Process & Quality Control	conc. 7/16/73, IM-636.5 LO, 5422	42 003	1403	1495
Process & Quality Control	IM-636.2 LTD 0181., conc. 12/13/65	42 003	1496	1567
Process & Quality Control	conc. 1/20/74, IM-673, Mfg. cancelled 11-13-72	42 003	1568	1725
Process & Quality Control	conc. 1/20/74, IM-673 1, Mfg cancelled 11-13-72	42 003	1726	1801
Process & Quality Control	IM-675	42 003	1802	1902
Process & Quality Control	IM-675	42 003	1903	2042
Process & Quality Control	CAS & Mfg conc. 7/1/74, IM-675	42 003	2043	2232
Process & Quality Control	IM-675 1, conc. 4/3/64	42 003	2233	2286
Process & Quality Control	IM-675 2 LTD 0181., conc. 4-24-69	42 003	2287	2294
Process & Quality Control	conc. 1/20/74, IM-689, Mfg cancelled, 11-13-72	42 003	2295	2391

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Process & Quality Control	IN-609 2, conc. 6/7/66	42 003	2392	2417
Process & Quality Control	conc. 1/28/74, IN 609 3	42 003	2418	2431
Process & Quality Control	Kaylen Stress Corrosion Test #11g Conc	42 003	2432	2404
Process & Quality Control	Unlabeled	42 004	0001	0001 11
Process & Quality Control	IN-610 CAS	42 004	0002	0197
Process & Quality Control	IN 610 H/G	42 004	0198	0324
Process & Quality Control	IN-610	42 004	0325	0557
Process & Quality Control	conc. 11/13/72, IN 610 H/G	42 004	0558	1107
Process & Quality Control	conc. 1/28/74, IN 610 CAS	42 004	1108	1325
Process & Quality Control	Cancelled 4/3/64, IN 610 1	42 004	1326	1435
Process & Quality Control	conc. 5/22/67, IN 610 2 Ltd 0101	42 004	1436	1455

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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
Process & Quality Control	Cmc. 4/24/69, IM-610 3 Ltd Dist	42 004	1456	1473
Process & Quality Control	Cmc. 4/24/69, IM-610 5	42 004	1474	1509
Process & Quality Control	Cmc. 11/13/72, IM-610 4	42 004	1510	1525
Process & Quality Control	Cmc. 9/29/69, IM-610 6 Ltd. Dist.	42 004	1526	1536
Process & Quality Control	Cmc. 11/13/72, IM-610 7	42 004	1537	1591
Process & Quality Control	Cmc. 10/18/66, IM-610 8 Ltd. Dist	42 004	1592	1606
Process & Quality Control	Cmc. 11/13/72, IM-610 9	42 004	1607	1624
Process & Quality Control	IM-610 10 (AS & HES, Cancelled 7/12/75)	42 004	1625	1704
Process & Quality Control	Cmc. 11/13/72, IM-610 11	42 004	1705	1751
Process & Quality Control	IM-610 12	42 004	1732	1963
Process & Quality Control	Cmc. 11/13/72, IM-610 13	42 004	1964	1998
Process & Quality Control	Cmc. 11/13/72, IM-610 14	42 004	1999	2024

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SOURCE	FILE TITLE	BOX #	FILE MCL PAGE	FILE MCL PAGE
Process & Quality Control	Canc. 1/28/74, IM-610 16	42 004	2025	2039
Process & Quality Control	Canc. 11/13/72, IM 610 17	42 004	2040	2051
Process & Quality Control	Canc. 9/2/71, IM-610 18	42 004	2052	2087
Process & Quality Control	IM-610 19	42 004	2088	2471
Process & Quality Control	Cancelled 7/12/75, IM-610 19 Mfg	42 004	2472	2943
Process & Quality Control	IM-KAYLO PP 610 19 CAS	42 004	2946	3208
Process & Quality Control	Canc. 1-20 72 PAS 5 1 40	42 005	0001	0036
Process & Quality Control	Canc. 3 B 71 PAS 5 1 90	42 005	0037	0050
Process & Quality Control	Canc. 11 1-76 PAS 5 1 102	42 005	0051	0070
Process & Quality Control	Canc. 3/8/71 PAS 5 1 16	42 005	0071	0102
Process & Quality Control	Excerpts of minutes of meetings of Board of Directors	42 006	0001	0126

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Public Relations	Complaints - 1950	01 022	0001	0030
Public Relations	Complaints - 1952	01 022	0031	0165
Public Relations	Medical Reports, Public Relations Dept. Jan 1, 1953 -	01 500	0001	0009
Public Relations	Shipyards Boston Navy Yard	01 500	0057	0064
Public Relations	Shipyards Federal Shipbuilding & Dry Dock Corp.	01 500	0065	0096
Public Relations	Shipyards Mathis Shipyard, J. M. - London	01 500	0097	0900
Public Relations	Shipyards Todd, Erie Basin	01 500	0901	0904
Public Relations	Shipyards West Coast Shipyards	01 500	0905	0919
Public Relations	Shipyards New Orleans	01 500	0920	0938
Public Relations	Booster on Health Aspects of Fiberglass Materials	01 500	0940	1077
Public Relations	#12	01 500	1324	1327
Public Relations	Plant Physicians Clinic Toledo, Oct 28, 1949, Fiberglass Health Program, Mr Edward C. Adams	01 500	1410	1656
Public Relations	#12	01 501	0132	0137

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SOURCE	FILE TITLE	BOX #	FILE #	FILE #	FILE #
Public Relations	State of Ohio	01 501	0150	0176	0176
Public Relations	Complaints - 1949	01 501	0180	0202	0202
Public Relations	Complaints - 1950	01 501	0240	1244	1244
Public Relations	Industrial Hygiene Committee	01 501	0254	0262	0262
Public Relations	Information, Inquiries re Health Aspects Handling of Fiberglas - 1952 (2)	01 501	0274	0282	0282
Public Relations	Information, Inquiries re: Health Aspects Handling of Fiberglas - 1952 (1)	01 501	0289	0299	0299
Public Relations	Finke, Dr. Walter	01 501	0432	0441	0441
Public Relations	Gustin - Bacon Manufacturing Co.	01 501	0442	0453	0453
Public Relations	Health Piece Gumby, Humanitarian Applications	01 501	0848	0859	0859
Public Relations	Acton Life Insurance Co.	01 501	0914	0923	0923
Public Relations	Aircraft Booster	01 501	0924	0937 70	0937 70
Public Relations	Bonditch - Commonwealth of Massachusetts	01 501	0944	0968	0968
Public Relations	Administrators -- Asbestos & Fiberglas	01 501	0969	0997	0997
Public Relations	Information, Inquiries re Health Aspects, Handling of Fiberglas - 1940-1942	01 501	1075	1108	1108
Public Relations	Schwartz, Dr. Louis	01 501	1494	1501	1501

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SOURCE	FILE TITLE	BOX #	FILE REL PAGE	FILE END PAGE
Public Relations	Rhode Island Industrial Health Institute	01 501	1523	1530
Public Relations	Rhode Island Medical Society	01 501	1531	1530
Public Relations	Reelin - Glass - Plastic Combination	01 501	1533	1543
Public Relations	Seramics Laboratory - Dr. Leroy U. Gardner 1948-1948 (Fiberglass Studies, etc.)	01 501	1605	1614
Public Relations	Asbestos Worker Union (2)	01 505	0010	0114
Public Relations	Asbestos Worker Union (1)	01 505	0115	0330
Research & Development	I & C Marketing Correspondence Jan 1969 Aug. 1969	01 001	0001	0194
Research & Development	Marketing 1/71 - 10/71	01 001	0195	0444
Research & Development	Marketing 7/73 - 8/74	01 001	0445	0680
Research & Development	Marketing 10/71 - 10/72	01 001	0481	0975
Research & Development	Correspondence, Jan - Apr 1966	01 001	0974	1330
Research &	Grant, Pearson, Anthony Correspondence, Feb	01 001	1331	1514

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SOURCE	FILE TITLE	BOX #	FILE BMC PAGE	FILE END PAGE
Development	1967 - Aug. 1969			
Research & Development	Unlabeled	01 001	1515	1761
Research & Development	I & C Marketing Correspondence, March 1970 - May 1969	01 001	1762	1972
Research & Development	Shannon, Jan. - Dec. 1970	01 001	1973	2195
Research & Development	Unlabeled	01 001	2196	2242
Research & Development	Shannon 9/1/67 - 12/15/67	01 002	0002	0249
Research & Development	Monthly & Weekly Reports 1967	01 002	0250	0470
Research & Development	Grant, Pearson, Anthony Correspondence, August 1969 - June 1970	01 002	0471	0686
Research & Development	Marketing (I & C) 3/70 - 12/70	01 002	0687	0912
Research & Development	Process Reports	01 002	0913	1125
Research & Development	Const. Group Process & Quality Control, Nov 1971 - June 1973	01 002	1126	1394
Research & Development	QC Monthly Reports	01 002	1395	1671 01

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Development				
Research & Development	GC Monthly Reports	01 002	1672	1939
Research & Development	GC Monthly Reports	01 002	1940	2223
Research & Development	GC Monthly Reports	01 002	2224	2439
Research & Development	Proprietary - Fiberglas Multi-Temp Pipe Insulation; Fiberglas High Temperature Block Insulation; Product & Process of Manufacture	01 003	0786	0805
Research & Development	Historical Data	01 004	0483	0588
Research & Development	Unlabeled	01 004	1019	1230
Research & Development	Historical Kayle Correspondence	01 004	1231	1534
Research & Development	Kayle Correspondence (Historical)	01 005	0163	0371
Research & Development	New Materials Correspondence & Specifications Manual 1950	01 007	0274	0438

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Research & Development	K-17 Core	01 007	0439	0854
Research & Development	Kaylo Glass Fiber Project Reports 1961 1962, SEC 9-128	01 007	0855	1079
Research & Development	Wetzel, 5/72 - 8/75	01 007	1436	1644
Research & Development	K-17 Core	01 007	1645	1941
Research & Development	Kaylo Improvement Program, Process Shrinkage Control	01 007	1942	1999
Research & Development	K-17 Core	01 007	2000	2240
Research & Development	Kaylo, Asbestos, Amosite and Chrysotile	01 008	1582	1808
Research & Development	PIL Reports, 9/67 - 6/70	01 010	0022	0260
Research & Development	Kaylo AS's, 1969 1972	01 010	0270	0497
Research & Development	Kaylo PAS's, 1972	01 010	0444	0853
Research & Development	Kaylo - Physical Property and JE Trends	01 010	0871	1031

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Research & Development	Unlabeled	01 010	1077	1079
Research & Development	Kaylo MPC - CAS's, 1969-1972	01 010	1080	1261
Research & Development	Test Reports, Nov 66 - Dec 67	01 010	1262	1658
Research & Development	Kaylo Mfg. Specs, 1969-1972	01 010	1647	1904
Research & Development	Kaylo SIS Articles	01 010	1905	2128
Research & Development	Kaylo, Fiber Substitute for Asbestos in Kaylo	01 010	2129	2245
Research & Development	Fyrco	01 016	0001	0064
Research & Development	Unlabeled	01 016	0065	0216
Research & Development	Fyrco, Bloomington Correspondence	01 016	0217	0361
Research & Development	Unlabeled	01 016	0362	0436
Research & Development	Fyrco Sealer-Primers Coatings	01 016	0436 01	0454

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Research & Development	Unlabeled	01 016	0455	0460
Research & Development	Syrcon Specifications	01 016	0472	0744
Research & Development	Syrcon, Granville Correspondence	01 016	0745	0915
Research & Development	Syrcon PTL & Space	01 016	0917	1027
Research & Development	Syrcon Toledo Corresp.	01 016	1028	1236
Research & Development	I & C Marketing, 1/1/68 - 12/30/68	01 016	1269	1481
Research & Development	Marketing, 9/74 - 8/75	01 016	1482	1639
Research & Development	I & C Marketing Jan 67 - Dec 67	01 016	1842	2060
Research & Development	Bertlin Aug 1969 - Nov 1969	01 016	2061	2222
Research & Development	Misc. Kayle Correspondence	01 016	2223	2346
Research & Development	Correspondence 4/67 - 5/67	01 016	2347	2561

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Research & Development	Kaylo Formulation Control Procedure	01 018	0001	0165
Research & Development	Glass Fibers... No 4	01 022	1335	1351
Research & Development	Pfeiffer, Feb 67 - Oct 67	01 022	1352	1367
Research & Development	Correspondence, Kaylo - Stress Corrosion	01 022	1416	1446
Research & Development	Shannon, 9/1/67 - 12/15/67	01 022	1447	1486
Research & Development	Miscellaneous Correspondence, Jan 67 - Oct 67	01 022	1552	1560
Research & Development	Miscellaneous Correspondence, Nov 69 - Dec 70	01 022	1561	1596
Research & Development	Shannon, 1/1/67 - 3/31/67	01 022	1595	1602
Research & Development	Shannon, 4/72 - 6/72	01 023	0080	0165
Research & Development	Shannon, April 67 - Aug 67	01 023	0166	0209
Research & Development	Shannon, 7/71 - 10/71	01 023	0210	0248

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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE PAGE
Research & Development	Nelson, Dec 68 - Dec 69	01 023	0249	0255
Research & Development	Nelson, Dec 69 - April 71	01 023	0254	0281
Research & Development	I & C Marketing Correspondence, Jan 69 - Aug 69	01 023	0282	0392
Research & Development	Don M. A	01 023	0359	0927
Research & Development	Correspondence, Jan. - April 66	01 023	0928	0954
Research & Development	Miscellaneous Correspondence, July Aug Sept 1966	01 023	0955	0964
Research & Development	Miscellaneous Correspondence, April May June 1966	01 023	0965	0967
Research & Development	Shannon, 12/15/67 - 4/16/68	01 023	0968	0997
Research & Development	Berlin Plant, 1/67 - 1/68	01 023	0998	1037
Research & Development	Berlin Plant, 10/11/68 - 3/28/69	01 023	1038	1050
Research & Development	Shannon, Mar 69 - Aug 69	01 023	1051	1073
Research & Development	Grant, Pearson, Anthony Correspondence, Feb 67 - Aug 69	01 023	1312	1342

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Research & Development	Pfeiffer, Oct 67 - Sept 68	01 023	1547	1548
Research & Development	I & C Marketing Correspondence, March 70 May 69	01 023	1459	1505
Research & Development	Shannon, Jan - Dec 70	01 023	1506	1578
Research & Development	Shannon, Nov 69 - March 71	01 023	0001	0052
Research & Development	Shannon, Aug 69 - Oct 69	01 023	0053	0070
Research & Development	Marketing (I & C), 3/70 - 12/70	01 023	0203	0242
Research & Development	Marketing, 1/71 - 10/71	01 023	0243	0282
Research & Development	Shannon Correspondence, March 70 June 70	01 023	0283	0340
Research & Development	Marketing, 10/71 - 10/72	01 023	0537	0632
Research & Development	Shannon, 4/17/68 - 11/13/68	01 023	0633	0676
Research & Development	J. Helser, 11/69 - 5/72	01 023	0677	0745

PAGE 73 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE REL. PAGE
Research & Development	Process Reports	01 Q25	0778	0784
Research & Development	Shannon, 11/13/68 - 4/30/69	01 Q25	0796	0824
Research & Development	Unlabeled	01 Q29	1010	1172
Research & Development	Unlabeled	01 Q34	0001	0148
Research & Development	Miscellaneous Correspondence Jan 67 - Oct 67	01 Q34	0296	0553
Research & Development	Miscellaneous Correspondence, Oct 1966	01 Q34	0489	0850
Research & Development	Planning Issues, Mayo 1968, & f. Shannon 1/31/78	01 Q34	0851	0956
Research & Development	Miscellaneous Correspondence, Nov 69 - Dec 70	01 Q34	0957	1171
Research & Development	Miscellaneous Correspondence, 12/70 - 5/72	01 Q34	1230	1487
Research & Development	Miscellaneous Correspondence Oct 67 - Apr 68	01 Q34	1488	1654
Research & Development	Miscellaneous Correspondence 2/13/68 10/2/68	01 Q34	1655	1848

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SOURCE	FILE TITLE	BOX #	FILE ENC PAGE	FILE ENC PAGE
Research & Development	Miscellaneous Correspondence Dec 1966	01 036	1849	2020
Research & Development	Chrome file, Jan - Mar 1966	01 036	2021	2186
Research & Development	Vendor Correspondence, Nov 67 - Mar 68	01 037	0031	0172
Research & Development	Unesco	01 037	0196	0213
Research & Development	Miscellaneous Correspondence, Nov 66	01 037	0354	0579
Research & Development	Vendor Correspondence, Jan 67 - Nov 67	01 037	0580	0717
Research & Development	Correspondence, 12/64 - 6/65	01 037	0738	0890
Research & Development	Miscellaneous Correspondence, April 69 Oct 69	01 037	0891	1075
Research & Development	Miscellaneous Correspondence, April May June 1966	01 037	1076	1278
Research & Development	Miscellaneous Correspondence, 10/2/68 - 4/10/69	01 037	1279	1506
Research & Development	Misc Correspondence, 5/72 - 5/73	01 037	1507	1769

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SOURCE	FILE TITLE	BOX #	FILE NO. PAGE	FILE NO. PAGE
Research & Development	Miscellaneous Correspondence, July Aug Sept 1964	01 037	1770	1964
Research & Development	Record 1008	01 036	0001	0049
Research & Development	Record 1305	01 036	0050	0344
Research & Development	Record 1504	01 036	0347	0459
Research & Development	Record 1420	01 036	0440	0974
Research & Development	Economic & Recommendations for the Development of a Press Molded, Non-Autoclaved, High Temperature Insulation Manufacturing Process	01 036	0977	1029
Research & Development	Report RIC-MIP-1-48, Filter Press Process, R. F. Shannon, Oct. 4, 1948	01 036	1030	1223
Research & Development	IC-CL-42-11 Kaylo Improvement Program by R. F. Shannon	01 036	1559	1423
Research & Development	Record 959	01 036	1424	1535
Research & Development	Record 919	01 036	1534	1849

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SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
Research & Development	Correspondence, 5/66-9/66	01 040	0132	0486
Research & Development	Correspondence, Kayle - Stress Corrosion	01 040	0487	0701
Research & Development	Kayle Historical, Pipe Block for Physical Thermal Properties	01 040	0702	0860
Research & Development	Kayle Process and Product Review Meetings, 1965, 1966	01 040	0861	1019
Research & Development	Asbestos, Amosite and Chrysotile	01 040	1171	1380
Research & Development	K Lite/Kaylite	01 041	0001	0195
Research & Development	Peorem/Smith 1/68 - 2/69	01 041	0196	0429
Research & Development	Gilliam/Schramm 2/29/72 - 8/10/73	01 041	0430	0520
Research & Development	Planning Issues Kayle R&D, R. F. Shannon, January 31, 1968	01 041	0775	0871
Research & Development	Process Improvement 64-65	01 041	0872	1051
Research & Development	Kayle - Product & Process Reports, 63-64	01 041	1052	1161

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SOURCE	FILE TITLE	BOX #	FILE NEG PAGE	FILE NEG PAGE
Research & Development	Unlabeled	01 041	1162	1235
Research & Development	Gillman/Schramm 3/16/70 - 2/20/72	01 041	1465	1616
Research & Development	Kaylo, K-10 WPC Offshore Analysis	01 048	0152	0220
Research & Development	IC-PL-48-1 Jan. 25, 1968, The Effect of Selected Raw Materials on Crystalline Constituents of K-10 and K-20 High Temperature Insulations, Part II, C. I. Cohen	01 048	0221	0240
Research & Development	Historical Data	01 048	0241	0362
Research & Development	Historical Data	01 048	0363	0470
Research & Development	Kaylo, K-10 WPC Offshore Analysis	01 048	0471	0539
Research & Development	Recommendations for Kaylo Process Improvements, in conjunction with Kaylo Product Review, Sept. 9, 1965	01 048	0540	0584
Research & Development	Correspondence 1/65 - 6/65	01 049	0001	0252
Research & Development	Berlin Plant, 4/72 - 9/72	01 049	0253	0536

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Research & Development	Berlin Plant, 1/1/68 - 10/11/68	01 049	0665	0885
Research & Development	Berlin Plant, 1/67 - 1/68	01 049	1105	1375
Research & Development	Trip Report, Second & Third Test Marketing Jobs with Kaylo SIS Pipe Application, Houston, Texas	01 049	1471	1499
Research & Development	J.H. - P.P. Correspondence	01 049	1893	2160
Research & Development	Berlin Plant, 4/78-12/78	01 049	2161	2442
Research & Development	Berlin Plant, 1/71 - 5/71	01 050	0001	0178
Research & Development	Berlin, Apr 69 - Aug 69	01 050	0179	0361
Research & Development	Pfeiffer, Feb 67 - Oct 67	01 050	0478	0768
Research & Development	IC-CL-42-11, Kaylo Improvement Program, by B.F. Shurean	01 050	0769	0834
Research & Development	Pfeiffer, Oct. 67 - Sept 68	01 050	1159	1360
Research & Development	Berlin Plant, 10/11/68 - 3/28/69	01 050	1361	1584

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Research & Development	SIS PIL Data Test Market	01 051	0001	0342
Research & Development	PIL Test Reports, 7/70-6/73	01 051	1163	1424
Research & Development	K-Lite/Kaylite	01 051	1442	1642
Research & Development	Unlabeled	01 051	1643	1656
Research & Development	Glass Surface Treatments for Kaylo Reinforcement, TC-CB-70-7, W. H. Stinson, December 16, 1970	01 051	1657	1695
Research & Development	Kaylo, K-10 HPT Offshore Analysis	01 052	0070	0139
Research & Development	Process Shrinkage of Kaylo	01 052	0413	0442
Research & Development	Shannon 11/69-2/70	01 052	0488	0741
Research & Development	Unlabeled	01 052	1043	1241
Research & Development	Cylinder Operator Training Manual September 1966, R. J. Shannon	01 052	1242	1372
Research & Development	Fire Door Test Results, for K1/A, Kaylo Core formulation, Burned at Vetterhouser's Technical Center, Langview, Washington	01 052	1395	1417

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Research & Development	Kayle Research Stress Corrosion and Other Formulations, Lab Book No. 1389, formulations 154 thru 1174, Master file, Book No. 1	01 055	0001	0252
Research & Development	Kayle Research Formulations Results listed Categorically, Book No. Two, 2, B. J. Shannon	01 053	0253	0428
Research & Development	Kayle Research Stress Corrosion and Other Formulations, Lab Book No. 1452, formulations 132 thru 1149, Lab Book No. 1475, Master file, Book No. 3	01 053	0429	0701
Research & Development	Isolde Purchasing 1/67 - 10/72	01 042	0001	0210
Research & Development	Unlabeled	01 042	0211	0229
Research & Development	TC-P1-67-11, The Effect of Selected Raw Materials on Crystalline Constituents of K-10 and K-20 High Temperature Insulation, C. I. Cohen, 12/7/67	01 042	0230	0241
Research & Development	Studies on Calcium Silicate Insulating Material	01 042	0243	0283
Research & Development	TC-P1-68-1, The Effect of Selected Raw Materials on Crystalline Constituents of K-10 and K-20 High Temperature Insulations Part 1B, C. I. Cohen, 1/25/68	01 042	0349	0362
Research & Development	Economic & Recommendations for the Development of a Press Molded, Non-Autoclaved, High Temperature Insulation Manufacturing Process	01 042	1497	1660

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SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Research & Development	Report on Mineral Composition Units	01 063	1029	1045
Research & Development	Report Weekly, Monthly, Feb 1974/1975	01 063	1096	1370
Research & Development	Report BIC-419-1-48 Filter Press Process, R.F. Shannon 10/4/80	01 063	1371	1566
Research & Development	Kaylo Research Formulations, Results Listed Categorically, Book No. One...1, R.F. Shannon	01 064	0001	0207
Research & Development	Book No. Two 2, Kaylo Stress Corrosion and Other Formulations, Master file, R. F. Shannon	01 065	0001	0266
Research & Development	Kaylo Research Stress Corrosion and Other Formulations, Lab Book No. 1589, Formulations...1175 thru 1272, Master file, Book No. 2	01 065	0267	0458
Research & Development	1-Non Autoclaved Calcium Silicate Creosote Process, 2-Autoclaved Process High Temp. Rigid Pipe Insulation	01 066	1045	1296 01
Research & Development	Book No. One 1... - Kaylo Stress Corrosion and Other Formulations, - Master file, R. F. Shannon	01 066	1297	1480
Research & Development	G. S. C. Formulation Numbers, R. F. Shannon	01 066	1481	1826

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SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Research & Development	Multitemp/EC Canada/Crestfield/Australian	01 047	0001	0192
Research & Development	Kayle, Berlin Plant Audit, August 1967	01 048	0830	1031
Research & Development	Fittings	01 049	1044	1125 01
Research & Development	Test Reports	01 078	0423	0899
Research & Development	Toledo Eng. 2/67 - 7/69	01 078	0900	1064
Research & Development	Multitemp & H I Block Pil Test Results Birne Report	01 078	1261	1490
Research & Development	Pearson, Smith, Grant, Gilliam	01 078	1491	1684
Research & Development	Toledo Eng 7/69 - 12/73	01 078	1685	1830
Research & Development	Toledo Engineering 10/71 6/73	01 079	0079	0279
Research & Development	Feasibility Report - Multitemp Pipe, High Temperature Block Insulation and Multitemp	01 079	0280	0342

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	filings			
Research & Development	Technical Report SIC 4080-68-1, fiberglass Multitemp Pipe Insulation, fiberglass High Temperature Black Insulation, Product and Process of Manufacture, 2/14/68	01 079	0563	0582
Research & Development	Trip Report - Houston Kaylo SIS Pipe Application, May 17, 1967	01 079	0972	1004
Research & Development	Trip Report Second and Third Test Marketing Jobs with Kaylo SIS Pipe Application, Houston, Texas	01 079	1005	1033
Research & Development	Unlabeled	01 079	1034	1234
Research & Development	MTIS - Giltis	01 079	1237	1477
Research & Development	IC PI-68 1, January 25, 1968, The Effect of Selected Raw Materials on Crystalline Constituents of K-10 and K-20 High Temperature Insulations - Part II, C I (Cohen	01 079	1478	1491
Research & Development	Toledo Engineering (Perahing) 7/73 - 8/75	01 081	0224	0359
Research & Development	JM-EP Correspondence	01 081	0385	0450
Research & Development	Unlabeled	01 081	2344	2370

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SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
Research & Development	Kaylo	01 001	2572	2768
Research & Development	Kaylo Product Properties	01 004	0001	0151
Research & Development	Insulation Performance Data - Kaylo Products	01 004	0152	0265
Research & Development	Trip Report Second and Third Test Marketing Jobs with Kaylo SPS Pipe Application, Houston, Texas	01 004	0492	0520
Research & Development	Recommendations for Kaylo Process Improvements, in conjunction with Kaylo Product Review - September 9, 1965	01 004	0521	0565
Research & Development	Kaylo Offshore Manual	01 004	0622	0656
Research & Development	Recap of Proposed Kaylo Improvement Programs & Related Correspondence - Original	01 004	0811	0950
Research & Development	Bertlin 7/73 - 7/74	01 004	1474	1767
Research & Development	Bertlin Plant, 8/28/72 - 5/17/73	01 004	1768	2005
Research & Development	Bertlin Qual.	01 005	0176	0267

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SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE IND. PAGE
Research & Development	Berlin Plant Manufacturing Procedure and Equipment Audit with Improvement Recommendations	01 085	0268	0299
Research & Development	Berlin Plant Manufacturing Procedure and Equipment Audit with Improvement Recommendations	01 085	0375	0404
Research & Development	Berlin Plant, 6/71 - 4/72	01 085	0438	0754
Research & Development	TC-CL-42-11 Kayle Improvement Program by B.F. Shannon	01 085	0823	0887
Research & Development	Berlin Qual.	01 085	0888	1031
Research & Development	Kayle Quality Improvement	01 085	1032	1132
Research & Development	Glass Fibers in Kayle	01 085	1133	1215
Research & Development	Unlabeled	01 086	0001	0281
Research & Development	Shannon Correspondence March 70 June 70	01 086	0284	0512
Research & Development	Shannon, 4/72 - 6/72	01 086	0894	1079
Research & Development	Shannon, 11/13/68 - 4/30/69	01 086	1080	1305

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Research & Development	Shannon, 1/1/67 - 3/31/67	01 006	1506	1695
Research & Development	R F Shannon, 7/72 - 10/72	01 006	1696	1764
Research & Development	Shannon, 11/71 - 3/72	01 006	1765	2055
Research & Development	Shannon, April 67 - Aug. 67	01 006	2294	2549
Research & Development	Schramm/Blisshop (Prior to 7/1/69)	01 006	2550	2899
Research & Development	Shannon, Aug 69 - Oct 69	01 007	0001	0204
Research & Development	Shannon, Aug 73 - Dec 73	01 007	0205	0474
Research & Development	Shannon, April 73 - June 73	01 007	0475	0632
Research & Development	Shannon, 4/74 - 6/74	01 007	0633	0794
Research & Development	Shannon, 7/71 - 10/71	01 007	1048	1260
Research & Development	Shannon, Dec. 1967 - April 1968	01 007	1262	1534

PRI 73 DOCUMENTS LOCATED IN
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SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Research & Development	Shannon, 11/6/72 - 4/26/73, 72 73	01 087	1536	1754
Research & Development	Shannon Mar 69 Aug 69	01 087	1754	1960
Research & Development	Shannon, 4/17/68 - 11/13/68	01 087	1962	2211
Research & Development	Shannon, Nov 69 - March 71	01 087	2213	2468
Research & Development	Glass Surface Treatments for Kayle Reinforcement, IC-CB-70-7, W. H. Stassen, December 16, 1970	01 088	0337	0374
Research & Development	Chemistry Laboratory Report No. 532, Filter Material for Aircrafts and Military Vehicle Fuel Tanks by R. F. Shannon, October 26, 1953	01 088	1217	1306
Research & Development	Report #IC-MIP-1-68 Filter Press Process, R. F. Shannon, October 4, 1968	01 088	1732	1944
Research & Development	Corrosion Stress Corrosion	01 088	2007	2315
Research & Development	Report #IC-MIP-1-68 Filter Press Process, R. F. Shannon, October 4, 1968	01 088	2316	2511
Research & Development	Schramm/Miller 10/73 - 8/75	01 089	0001	0133

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Research & Development	Columbia Carbon Company	01 009	1310	1324
Research & Development	Unlabeled	01 094	1795	1891
Research & Development	Analysis of K18 Pipe Offsets, January thru September, 1967, Dick Shannon	01 096	0583	0637
Research & Development	Unlabeled	01 096	0638	0743
Research & Development	Unlabeled	01 097	0001	0051
Research & Development	Approved Kaylo Batch Formulations, R J Shannon	01 097	0113	0171
Research & Development	Unlabeled	01 098	0207	0270
Research & Development	Kaylo, Mixer and Blender Equipment	01 098	0883	1026
Research & Development	Unlabeled	01 098	1027	1158

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SOURCE	FILE TITLE	BOX #	FILE MIC PAGE	FILE END PAGE
Research & Development	Kaylo - Pattern Mill Tests, Cape Asbestos	01 099	0118	0261
Research & Development	CMR 59.3 Specs	01 099	0262	0487
Research & Development	Kaylo Test Methods Used by Product Testing Lab, Also ASTM Test Methods	01 099	0630	0794
Research & Development	Fiberglass Health Program Ray B. Cropps, Clayton Smucker & A.B. Harrison	01 500	2345	2574
Research & Development	Fiberglass Monoculture Inventory 14 GA 1917	01 500	2575	2732
Research & Development	Kalo	27 001	0095	0314
Research & Development	Asbestos	27 001	0431	0716 01
Research & Development	Bertin Asbestos Report Prints 21734/0280A	27 001	0961	0983
Research & Development	Alkali Resistant Glass	28 001	0187	0216
Research & Development	Kaylo Substitute	31 001	0001	0029

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Research & Development	Unlabeled (1971 and Programs)	31 001	0030	0099
Research & Development	Handbook	31 001	0100	0108
Research & Development	High Temperature Fire Rated Tile	31 001	0109	0113
Resins & Coatings	E-200	35 001	0001	0091
Resins & Coatings	E-240	35 001	0096	0238
Resins & Coatings	E-241	35 001	0254	0263
Resins & Coatings	E-245	35 001	0264	0277
Resins & Coatings	E-246	35 001	0278	0324
Resins & Coatings	E-400	35 001	0325	0339
Resins & Coatings	E-421	35 001	0340	0349
Resins & Coatings	E-441	35 001	0350	0361
Resins & Coatings	E-442	35 001	0362	0374
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Baseline & Countings	E-444	35 001	0429	0444
Baseline & Countings	E-447	35 001	0448	0463
Baseline & Countings	E-447-3	35 001	0444	0470
Baseline & Countings	E-447-4	35 001	0471	0476
Baseline & Countings	E-447-5	35 001	0477	0483
Baseline & Countings	E-447-6	35 001	0484	0491
Baseline & Countings	E-448-5	35 001	0492	0507
Baseline & Countings	E-449	35 001	0533	0547
Baseline & Countings	E-449-7	35 001	0548	0559
Baseline & Countings	E-450	35 001	0540	0576
Baseline & Countings	E-450-1	35 001	0577	0584
Baseline & Countings	E-450-4	35 001	0592	0601
Baseline & Countings	E-450-5	35 001	0602	0612
Baseline & Countings	E-450-6	35 001	0613	0625

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Bestine & Coatings	E-	35 001	0465	0705
Bestine & Coatings	EX-236	35 001	0753	0758
Bestine & Coatings	EX-238	35 001	0759	0744
Bestine & Coatings	EX-249	35 001	0745	0750
Bestine & Coatings	EX-287	35 001	0751	0754
Bestine & Coatings	Unlabeled	35 001	0778	0808
Bestine & Coatings	PO 100 2 20	35 001	0809	0817
Bestine & Coatings	PO 100 2 20 31	35 001	0818	0827
Sales	Literature Up-dating (letters Requesting Case History Data, etc.)	01 501	1179	1192
Santa Clara Plant	Invoices			
Supply & Contracting	I B. C. M. A. Occupational Health Committee	01 117	0716	0786 01

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SOURCE	FILE TITLE	BOX #	FILE MEC PALA	FILE END PALA
Supply & Contracting	Occupational Health Committee, M I C A	01 117	0787	0890
Supply & Contracting	Special Task Force, OSHA Program, Royer, Chen., Boyer, Bradshaw	01 117	0890 01	1206
Supply & Contracting	Standards for Asbestos	01 117	1207	1402
Supply & Contracting	Health	01 117	1403	2004
Supply & Contracting	Asbestos Cases - Bradshaw files evidence	01 117	2005	2006
Supply & Contracting	Unlabeled	43 002	0520	1080
Supply & Contracting	Unlabeled	43 002	1081	1440
Supply & Contracting	O S M A. 1970	43 002	1552	1686
Supply & Contracting	BOB/Master Contract for Ship Repair	43 002	1791	1917
Supply & Contracting	Unlabeled	43 002	1920	2394
Supply & Contracting	1970 Dust Collectors	43 002	2395	2435
Supply & Contracting	Improver Training School Curriculum	43 002	2436	2444
Supply & Contracting	Union - I A - Wage & fringe Ben Breakdown	43 002	2445	2448
Supply & Contracting	OSHA Health Exam	43 002	2449	2523
Supply & Contracting	Unlabeled	43 002	2524	2648

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Supply & Contracting	Varied Corresp. of Interest	43 002	2649	2711
Supply & Contracting	Contractor Distributor Operating Manual Sub-Section	43 002	2712	2819
Technical & Quality Assurance	Div. 61 High Temp. Incl. Item	22 001	0025	0078
Technical & Quality Assurance	Unlabeled (same 2/10/70 to P. Severstrom)	22 001	0079	0094
Technical & Quality Assurance	(CM 59 1 39	22 002	0001	0004
Technical & Quality Assurance	(CM 59 1 51)	22 002	0005	0045
Technical & Quality Assurance	(CM 59 1 40)	22 002	0046	0062
Technical & Quality Assurance	(CM 59 1 406	22 002	0063	0121
Technical & Quality Assurance	(CM 59 3 265	22 002	0122	0158 01
Technical & Quality Assurance	(CM 59 3 270	22 002	0159	0160
Technical & Quality	(CM 59 3 273	22 002	0161	0184

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SOURCE	FILE TITLE	BOX #	FILE MIC PAGE	FILE END PAGE
Assurance				
Technical & Quality Assurance	COM. 59.6.464	22 002	0185	0213
Technical & Quality Assurance	COM. 59.6.465	22 002	0214	0243
Technical & Quality Assurance	COM. 59.6.466	22 002	0244	0320
Technical & Quality Assurance	COM. 59.6.467	22 002	0321	0349
Technical & Quality Assurance	COM. 59.7.11	22 002	0350	0445
Technical & Quality Assurance	COM. 59.7.12	22 002	0446	0468
Technical & Quality Assurance	COM. 59.7.21	22 002	0469	0495
Technical & Quality Assurance	COM. 59.7.22	22 002	0496	0570
Technical & Quality Assurance	COM. 59.7.23	22 002	0571	0635
Technical & Quality Assurance	COM. 59.7.24	22 002	0636	0653
Technical & Quality Assurance	COM. 59.7.25	22 002	0654	0673

PM 75 DOCUMENTS LOCATED IN
QUESTS CONTAINING 75MINS AS COMPOSITION
ASBESTOS DOCUMENT DEPOSITION

10/11/09

SOURCE	FILE TITLE	BOX #	FILE DEG. PAGE	FILE END PAGE
Technical & Quality Assurance	CMR 59.7.26	22 002	0674	0685
Technical & Quality Assurance	CMR 59.7.156	22 002	0696	0725
Technical & Quality Assurance	CMR 59.8.09	22 002	0726	0771
Technical & Quality Assurance	CMR 57.3.33	22 002	0772	0776
Technical & Quality Assurance	CMR 57.3.35	22 002	0777	0787
Technical & Quality Assurance	CMR 57.4.474	22 002	0788	0795
Technical & Quality Assurance	CMR 57.5.404	22 002	0796	0815
Technical & Quality Assurance	CMR 57.5.500	22 002	0816	0823
Technical & Quality Assurance	CMR 57.5.648	22 002	0824	0848
Technical & Quality Assurance	CMR 57.8.691	22 002	0849	0860
Technical & Quality Assurance	CMR 57.8.692	22 002	0861	0868
Technical & Quality Assurance	CMR 57.8.701	22 002	0869	0878

PM 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Technical & Quality Assurance	OMP.57.8.705	22 002	0879	0894
Technical & Quality Assurance	OMP.57.16.11	22 002	0895	0941
Technical & Quality Assurance	OMP.57.16.12	22 002	0942	0983
Technical & Quality Assurance	OMP.57.24.2	22 002	0984	0996
Technical & Quality Assurance	OMP.57.24.5	22 002	0997	1005
Technical & Quality Assurance	OMP.57.25.19	22 002	1006	1047
Technical & Quality Assurance	OMP.57.215	22 002	1048	1052
Technical & Quality Assurance	PAS.2.1.13	22 002	1069	1511
Technical & Quality Assurance	PAS.2.1.17	22 002	1512	1530
Technical & Quality Assurance	PAS.2.1.43	22 002	1531	1694
Technical & Quality Assurance	PAS.5.1.13	22 002	1695	1772
Technical & Quality Assurance	PAS.5.1.37	22 002	1773	1941

Page 7) DOCUMENTS LOCATED IN
 QUINCY CORP. FIRM 644 AS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/09

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE END PAGE
Technical & Quality Assurance	PAS 5 1 37	22 002	1942	2119
Technical & Quality Assurance	PAS specifications index	22 002	2120	2337
Technical & Quality Assurance	FAS AC-E18.1	22 003	0001	0112
Technical & Quality Assurance	FAS AC-E18.2	22 003	0153	0194
Technical & Quality Assurance	FAS AC-E18.2A	22 003	0195	0233
Technical & Quality Assurance	AC-E18 2B FAS	22 003	0234	0247
Technical & Quality Assurance	AC-E18 3A	22 003	0248	0271
Technical & Quality Assurance	AC-E18 3B	22 003	0272	0280
Technical & Quality Assurance	AC-F50 1	22 003	0281	0363
Technical & Quality Assurance	AC-F50 2	22 003	0364	0443
Technical & Quality Assurance	AC F50 3 Ltd Dist	22 003	0444	0742

PRE 73 DOCUMENTS LOCATED IN
 QUINCY (CHASING FIRE) & AS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/11/09

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Technical & Quality Assurance	AC-#60.1	22 003	0763	0825
Technical & Quality Assurance	AC-#70.1	22 003	0826	0946
Technical & Quality Assurance	AC-#70.2	22 003	0947	1085
Technical & Quality Assurance	AB-#11.1 Ltd. Dist.	22 003	1086	1101
Technical & Quality Assurance	AB-#11.2 Ltd. Dist.	22 003	1102	1112
Technical & Quality Assurance	AB-#20.4	22 003	1113	1153
Technical & Quality Assurance	AB-#20.5	22 003	1154	1186
Technical & Quality Assurance	CM-#70.1 Ltd. Dist.	22 003	1187	1210
Technical & Quality Assurance	CM-#70.2	22 003	1211	1255
Technical & Quality Assurance	CM-#70.3	22 003	1256	1296
Technical & Quality Assurance	CM-#70.5	22 003	1297	1336
Technical & Quality Assurance	IN-245	22 003	1337	1475

PRE 75 DOCUMENTS LOCATED IN
 QUINCY CORBIN INC. FIRE RECORDS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DESC PAGE	FILE END PAGE
Technical & Quality Assurance	IN-265.1	22 003	1476	1557
Technical & Quality Assurance	IN-265.2 Ltd. Print	22 003	1558	1555
Technical & Quality Assurance	IN-040	22 003	1556	1662.01
Technical & Quality Assurance	IN-040.1	22 003	1663	1670
Technical & Quality Assurance	IN-043	22 003	1671	1741
Technical & Quality Assurance	IN-22.1 Metal Mesh Blanks, Type 400	22 003	1742	1762
Technical & Quality Assurance	IN-22.2 51 M M Blk, Weather Jamer	22 003	1763	1771
Technical & Quality Assurance	IN-23 Fiberglass Insulating Cement	22 003	1772	1792
Technical & Quality Assurance	IMP 57 12 043 Calcium Silicate Pipe Insulation	22 004	0001	0033
Technical & Quality Assurance	IMP 57 12 042 Calcium Silicate Block Insulation	22 004	0034	0055
Technical & Quality Assurance	IMP 57 12 047 Calcium Silicate Pipe Insulation (Ruberoid)	22 004	0056	0082

PRI 73 DOCUMENTS LOCATED IN
 OAKRIDGE CONSULTING FIRM RECORDS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG PAGE	FILE END PAGE
Technical & Quality Assurance	PMP 57 12 048 Calcium Silicate Block Insulation (Ruhroid)	22 004	0003	0100
Technical & Quality Assurance	PMP 57 12 061 Calcium Silicate Pipe Insulation (Pubco)	22 004	0109	0220
Technical & Quality Assurance	PMP 57 12 062 Calcium Silicate Block Insulation (Pubco)	22 004	0221	0231
Technical & Quality Assurance	PMP 57 12 065 Calcium Silicate Pipe Insulation	22 004	0232	0250
Technical & Quality Assurance	PMP 57 12 066 Calcium Silicate Block Insulation	22 004	0251	0264
Technical & Quality Assurance	AM-502	22 005	0001	0004
Technical & Quality Assurance	AM-512	22 005	0005	0008
Technical & Quality Assurance	AM-513	22 005	0009	0012
Technical & Quality Assurance	CI-114	22 005	0016	0018
Technical & Quality Assurance	(MM 59 3 276	22 006	0001	0007
Technical & Quality Assurance	(MM 59 6 442	22 006	0008	0011

PRE 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE NAME	BOX #	FILE REC PAGE	FILE END PAGE
Technical & Quality Assurance	CMN 59 6.470	22 006	0011 01	0011 03
Technical & Quality Assurance	CMN 59 06.499	22 006	0012	0291
Technical & Quality Assurance	CMN 59 6.662	22 006	0292	0027
Technical & Quality Assurance	CMN 59 01.507	22 007	0001	0004
Technical & Quality Assurance	CMN 59 1.59	22 007	0005	0007
Technical & Quality Assurance	CMN 59 1.60	22 007	0009	0010
Technical & Quality Assurance	CMN 59 1.61	22 007	0011	0013
Technical & Quality Assurance	CMN 59 1.62	22 007	0014	0016
Technical & Quality Assurance	CMN 59 1.507	22 007	0017	0049
Technical & Quality Assurance	CMN 59 1.508	22 007	0050	0079
Technical & Quality Assurance	EMP 57 03	22 007	0080	0082

PRI 75 DOCUMENTS LOCATED IN
OURMS COMING FROM AAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE IMP PAGE
Technical & Quality Assurance	OMP 57.4.403	22 007	0083	0091
Technical & Quality Assurance	OMP 57.404a	22 007	0092	0094
Technical & Quality Assurance	OMP 57.5.444	22 007	0097	0101
Technical & Quality Assurance	OMP 57.6.500	22 007	0102	0109
Technical & Quality Assurance	OMP 57.16.801	22 007	0110	0112
Technical & Quality Assurance	CH-M53.03	22 007	0115	0279
Technical & Quality Assurance	CH-M 53.3	22 007	0315	0370
Technical & Quality Assurance	CH-M53.4	22 007	0371	0387
Technical & Quality Assurance	CH-M 53.4	22 007	0371	0387
Technical & Quality Assurance	CH-M 53.4 L10 0131	22 007	0388	0411
Technical & Quality Assurance	CH-M53.4 Ltd. Dist.	22 007	0388	0411
Technical & Quality Assurance	CH-M53.5	22 007	0412	0434
Technical & Quality Assurance	CH-M53.5	22 007	0435	0487

PRE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE NO. PAGE	FILE NO. PAGE
Technical & Quality Assurance	CM-853.6	22 007	0488	0507
Technical & Quality Assurance	CM-853.6	22 007	0507	0519
Technical & Quality Assurance	CM-852	22 007	0520	0533
Technical & Quality Assurance	CM-245	22 007	0534	0551
Technical & Quality Assurance	CM-245.1	22 007	0552	0560
Technical & Quality Assurance	CM-245.2 tied Dist	22 007	0561	0563
Technical & Quality Assurance	CM-873	22 007	0564	0584
Technical & Quality Assurance	CM-851	22 007	0585	0587
Technical & Quality Assurance	CM-851	22 007	0588	0590
Technical & Quality Assurance	CM-851	22 007	0591	0621
Technical & Quality Assurance	CM-10.11	22 007	0622	0626
Technical & Quality Assurance	CM-22.1	22 007	0627	0636

PM 73 DOCUMENTS LOCATED IN
OUR NEW COMING FILMCLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Technical & Quality Assurance	WM-22.2	22 007	0657	0657
Technical & Quality Assurance	WM-22.3	22 007	0658	0699
Technical & Quality Assurance	WM-43.2	22 007	0700	0706
Technical & Quality Assurance	WP-62	22 007	0707	0712
Technical & Quality Assurance	WM-22.1	22 007	0713	0716
Technical & Quality Assurance	AP Spec 2.1.15	22 007	0717	0719
Technical & Quality Assurance	AP Spec 3-1H-432	22 007	0720	0722
Technical & Quality Assurance	AP Spec 5.C	22 007	0723	0726
Technical & Quality Assurance	AP Spec 13.C	22 007	0727	0730
Technical & Quality Assurance	Unlabeled	22 007	0731	0763
UNABCO	Agreement, Feb. 20, 1970	01 012	0002	0026

PRI 73 DOCUMENTS LOCATED IN
OWMS (OWING FILM ROLLS CORPORATION)
ASMSIOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
UNARCO	Seniority Lists 1953 to 1959 incl	01 012	0026 01	0342
UNARCO	Seniority List	01 012	0343	0420
UNARCO	1970 Negotiations	01 012	0421	0540 01
UNARCO	Seniority Lists - 1960 to	01 012	0541	0705
UNARCO	Contract Negotiations 1952	01 012	0706	0812
UNARCO	Contract Negotiations 1953	01 012	0813	0883
UNARCO	Union Negotiations 1970-71	01 012	0884	1063
UNARCO	Contract Negotiations 1961	01 012	1064	1131
UNARCO	Contract Negotiations 1954	01 012	1132	1258
UNARCO	Contract Negotiations 1955	01 012	1259	1410
UNARCO	Preliminary Contract Agreement 1970	01 012	1411	1456
UNARCO	1970 Union Negotiations	01 012	1457	1504
UNARCO	Bloomington 1953	01 012	1505	1594
UNARCO	Bloomington 1954	01 012	1595	1689
UNARCO	Contract Negotiations 1954	01 012	1690	1781
UNARCO	Wildcat Strike 1966	01 012	1782	1806

PRE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
UNASCO	Wildcat Strike 1949	01 012	1807	1828
UNASCO	Contract Negotiations 1959	01 012	1829	1929
UNASCO	Contract Negotiations 1957	01 012	1930	2020
UNASCO	Contract Negotiations 1960	01 012	2020 01	2020 67
UNASCO	Contract Negotiations 1958	01 012	2021	2088
UNASCO	Rules and Regulations 1946	01 012	2089	2127
UNASCO	Unlabeled	01 013	0001	2031
UNASCO	Unlabeled	01 022	0790	0846
UNASCO	Unlabeled	01 022	0852	0975
UNASCO	Unlabeled	01 022	1046	1165
UNASCO	North American Asbestos Corp	01 023	0393	0441
UNASCO	K. O. Preston	01 023	0536	0636
UNASCO	North American Asbestos Corp	01 023	1410	1658

PRI 73 DOCUMENTS LOCATED IN
OUR MS CONTAINING FIRMING AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC. PAGE	FILE IND. PAGE
UNARC	General Service Administration, Stockpile Storage Operation Div.	01 Q25	0426	0455
UNARC	North American Asbestos Corp.	01 Q29	0425	0476
UNARC	General Service Administration Stockpile Storage Operation Div.	01 Q29	1173	1208
UNARC	State Mutual - Tyler	01 Q56	0001	0217
UNARC	Unlabeled	01 Q56	0218	2667
UNARC	Unlabeled	01 Q57	0001	1603
UNARC	GC Manual	01 Q59	0001	0013
UNARC	22E Unarcboard	01 Q59	0014	0025
UNARC	Quality Control	01 Q59	0026	0029
UNARC	Unarcboard Summary Reports 1969	01 Q59	0030	0080
UNARC	Minerals, Distomacous Earth Technical Data	01 Q59	0081	0190
UNARC	M120 Hyrcor Distomacous Earths	01 Q59	0191	0220

PRE 73 DOCUMENTS LOCATED IN
OUR 85 CONTAINING FINE BELAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
UNAKO	Unacboard Special Testing (Hapeman floor Boards)	01 059	0271	0275
UNAKO	Inspection Report Unacboard	01 059	0226	0248
UNAKO	Unacboard Test Results 1944 1946	01 059	0249	0397
UNAKO	USCG Subpart 164.007	01 059	0398	0408
UNAKO	Unacboard - Quality Control 1948	01 059	0409	0522
UNAKO	USCG Subpart 164.008	01 059	0523	0533
UNAKO	USCG Subpart 164.009	01 059	0534	0550
UNAKO	American Society for Testing Mat	01 059	0551	0559
UNAKO	M 120 Pyrocor Silica Flour	01 059	0560	0575
UNAKO	Asbestos fundamentals	01 059	0576	0756
UNAKO	Unlabeled	01 059	0757	0855
UNAKO	Underwriters Laboratories, Inc.	01 059	0856	0870
UNAKO	Unacboard 88 & form 2 4/70 #121	01 059	0871	0928
UNAKO	International Convention for Safety of Life at Sea	01 059	0929	1220
UNAKO	General Administration Communications	01 059	1221	1258

PAGE 75 DOCUMENTS LOCATED IN
 QUINCY CORNING FILM NEGLES CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
UNARC0	Laboratory Work Requests Internal	01 059	1239	1244
UNARC0	List of Specifications	01 059	1245	1250
UNARC0	Unarco Products per Government Specifications	01 059	1251	1341
UNARC0	Unarco Products per Government Specifications	01 059	1342	1442
UNARC0	Unarco Products per Government Specifications	01 059	1443	1544
UNARC0	Unarco Products per Government Specifications	01 059	1545	1644
UNARC0	Unlabeled	01 059	1645	1744
UNARC0	Unarco Products per Government Specifications	01 059	1745	1845
UNARC0	Unarco Products per Government Specifications	01 059	1846	1946
UNARC0	Unarco Products per Government Specifications	01 059	1947	2047
UNARC0	Unarco Products per Government Specifications	01 059	2048	2148
UNARC0	Unlabeled	01 059	2149	2261
UNARC0	Unlabeled	01 059	2262	2359
UNARC0	Unlabeled	01 059	2360	2399
UNARC0	Unlabeled	01 059	2400	2422
UNARC0	N S A	01 059	2423	2423 10

PRI 73 DOCUMENTS LOCATED IN
QUEST'S COLLING FILM AND AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF PAGE	FILE REF PAGE
UNABCO	M. S. A. Section 3 - Respiratory Protection	01 059	2424	2455
UNABCO	ASNE Technigram	01 040	0001	0025
UNABCO	ASNE Literature	01 040	0026	0043
UNABCO	Unlabeled	01 040	0044	0046
UNABCO	W-8-101 Tape, Gummed; Heading & Sealing. (paper & cloth), 6/18/59	01 040	0047	0060
UNABCO	W12 Remount (See Co. (See: Bayou Plant (10), Pipe Covering	01 040	0061	0073
UNABCO	32 04-5 Maritime Spec Panel, Bulkhead Lining Ceiling Inorganic, Incumbible	01 040	0074	0085
UNABCO	Chrysotile Morphology	01 040	0086	0095
UNABCO	50 Bushup Bust Collectors Misthop Mist Collectors	01 040	0096	0097
UNABCO	Safety and Health Standards	01 040	0098	0129
UNABCO	Robinson Mfg. Co. Saw Teeth (rusher Blossington & Tyler Plants	01 040	0130	0133
UNABCO	Unarco Board, Quality Control, L. Brumfield	01 040	0134	0297
UNABCO	Procurement Forecast Catalog	01 040	0298	0344

PRE 7'S DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
UNARCO	Union Asbestos & Rubber Company Quality Control Manual	01 040	0345	0427
UNARCO	Unarcohard Patents	01 040	0428	0537
UNARCO	ASTM Committee D-20 DD D-20 22 6/69 Meet Minutes	01 040	0538	0554
UNARCO	ASTM: Membership Data	01 040	0555	0599
UNARCO	Federal Spec. 33-B-755	01 040	0600	0631
UNARCO	Asbestos Fiber, Dept. of Commerce, # 120 (1960-1964)	01 040	0632	0754
UNARCO	L. H. Evans Company	01 040	0755	0759
UNARCO	Standard Industrial Products Co.	01 040	0760	0827 01
UNARCO	Exhaust Fan	01 040	0828	0830
UNARCO	Gasifier	01 040	0831	0839
UNARCO	Hendricks Electric Co	01 040	0840	0949
UNARCO	Corrad Sheet Metal	01 040	0950	0958
UNARCO	R. E. Common Equipment Company	01 040	0959	0974
UNARCO	R. E. Jacoby Company	01 040	0975	0980
UNARCO	Melvin Lertz Company	01 040	0981	1007

PRE 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
UNABCO	Mr. W. Myer and Son Inc	01 060	1008	1010
UNABCO	Peerie Sheet Metal Products	01 060	1011	1015
UNABCO	Stamington, City of	01 060	1016	1028
UNABCO	Unlabeled	01 060	1029	1084
UNABCO	Unlabeled	01 060	1085	1218
UNABCO	Illinois Dept. of Labor Div. of Safety Inspection & Education	01 060	1219	1433 01
UNABCO	I. G. Evans & Company	01 060	1434	1444
UNABCO	ASTM C-16 Meeting Atlanta Mar 8-11-70	01 060	1445	1460
UNABCO	Unlabeled	01 073	0001	2596
UNABCO	Unlabeled	01 074	0001	1586
UNABCO	Unlabeled	01 075	0001	2293
UNABCO	Unlabeled	01 076	0001	1956

PRE 73 DOCUMENTS LOCATED IN
 QUENT'S COPIES FIRM REAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE MIC PAGE	FILE END PAGE
UNARC0	Contract Negotiations 1967-1969	01 077	0669	1147
UNARC0	Unlabeled	01 077	1248	1443
UNARC0	Gravesman 1966-1969	01 077	1964	2405
UNARC0	Correspondence H-Ray	01 077	2674	2707
UNARC0	Book Entitled: Foster	01 080	0001	0204
UNARC0	Unlabeled	01 080	0205	0597
UNARC0	Unacboard - Battelle Memorial Institute	01 081	2371	2571
UNARC0	H. O. Preston	01 090	0001	0001
UNARC0	Contract Negotiations 1964-1965	01 090	1530	1782
UNARC0	Contract Negotiations 1965-1966	01 090	2253	2487
UNARC0	Contract Negotiations - 1962-1964	01 091	0001	0183
UNARC0	Contract Negotiations 1966	01 091	0185	0357

PM 75 DOCUMENTS LOCATED IN
OAKS COMMING FINANCIAL CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
UNAKO	Sunny, James	01 092	0041	0050
UNAKO	Suspen, Ray H.	01 092	0051	0060
UNAKO	Thacher, Lee Kenneth	01 092	0061	0066
UNAKO	Thomson, Charles	01 092	0067	0076
UNAKO	Stewart, Selena	01 092	0077	0086
UNAKO	Stewart, William P.	01 092	0087	0095
UNAKO	Thacker, Leslie	01 092	0096	0103
UNAKO	Winkelman, Walter	01 092	0104	0113
UNAKO	Babb, Joseph J.	01 092	0114	0123
UNAKO	Bugan, Marie	01 092	0124	0133 01
UNAKO	Bietrich, Wilho	01 092	0134	0144
UNAKO	Hendley, John	01 092	0145	0150
UNAKO	Mayer, Lee	01 092	0151	0161
UNAKO	Janssen, Henry	01 092	0162	0168
UNAKO	Johnson, William J	01 092	0169	0178
UNAKO	Rea, William	01 092	0179	0188

PRI 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
UNASCO	Lewyer, Russell	01 092	0189	0198
UNASCO	Ringo, Tracy E.	01 092	0199	0207
UNASCO	Newlin, Ernest	01 092	0208	0217
UNASCO	Wacker, Charles A.	01 092	0218	0226
UNASCO	Radman, George	01 092	0227	0236
UNASCO	Newlin, Ernest 948	01 092	0237	0316
UNASCO	Burbin, Benny 1641	01 092	0315	0405
UNASCO	Lehr, Walter 1463	01 092	0406	0449
UNASCO	Heck, Jerry Duane	01 092	0544	0790
UNASCO	Handley, John Victor	01 092	0731	1117
UNASCO	Unlabeled	01 092	1118	3043
UNASCO	Unlabeled	01 095	0201	2303
UNASCO	Unlabeled Specifications Internal	01 100	1443	1475
UNASCO	Misc. Boxes	01 124	0001	0259

PRE 75 DOCUMENTS LOCATED IN
OURMS CONTAINING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DATE PAGE	FILE DATE PAGE
UNABCO	Misc. Docs	01 124	0240	0575
UNABCO	Unlabeled	01 127	0001	0930
UNABCO	Unlabeled	01 127	0931	1945
UNABCO	Unlabeled	01 127	1946	3204
UNABCO	Unlabeled	01 128	0001	3535
UNABCO	PR No. 246	60 004	0001	0008
UNABCO	Gosell, Florence 54	60 004	0042	0051
UNABCO	Gore, (Ivaid 56	60 004	0054	0085
UNABCO	Selvester, faye 139	60 004	0086	0236
UNABCO	PR No. 106	60 004	0237	0288
UNABCO	PR No. 211	60 004	0421	0536
UNABCO	424 Shelby Jenkins	60 004	0537	0543
UNABCO	PR No. 1363	60 004	0544	0612
UNABCO	PR No. 1364	60 004	0613	0635

PRI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
UNARCO	Krieg, Alfred 1548	60 004	0634	0654
UNARCO	Collier, Leonard 1500	60 004	0655	0689
UNARCO	PR No. 1413	60 004	0490	0723
UNARCO	PR No. 1445	60 004	0724	0744
UNARCO	Technical Information & Bulletin	60 005	0176	0200
UNARCO	Wrethane Information	60 005	0284	0299
UNARCO	Quality Control Unarco Board	60 005	0838	0869
UNARCO	Unarco Board Blank Form Inspection Summary	60 005	1009	1082
UNARCO	SIMCS Plastics 42, Ired 74, Crude 75, Unarco Board 63	60 008	0001	0083
UNARCO	BOARD 63	60 008	0084	0115
UNARCO	Pipe (40, Felt 41, Block 45, Fib Op 56, Comment 59	60 008	0116	0227
UNARCO	Unlabeled (UNARCO Bill of Lading)	60 009	0001	0007
UNARCO	Shapac Inc. - 1970 Orders	60 009	0008	0027

PRE 73 DOCUMENTS LOCATED IN
CUMMINS CORP. FINANCIAL CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE NO.	FILE NO.
UNABCO	Misc. 'P' - 1970 Orders	40 009	0028	0039
UNABCO	Pennwalt Chemicals Corp. - 1970 Orders	40 009	0040	0049
UNABCO	Penn Central Transportation - 1970 Orders	40 009	0050	0092
UNABCO	Philadelphia Asbestos Corp. - 1970 Orders	40 009	0093	0104
UNABCO	Piant Asbestos Co. - 1970 Orders	40 009	0105	0132
UNABCO	The Bunkel Co. - 1970 Orders	40 009	0133	0144
UNABCO	Auto Corp. - 1970 Orders	40 009	0145	0155
UNABCO	Misc. 'B' - 1970 Orders	40 009	0156	0167
UNABCO	Socoma - Sierra Inc. - 1970 Orders	40 009	0168	0179
UNABCO	George Short Co. - 1970 Orders	40 009	0180	0220
UNABCO	Sprinkmann Sons - 1970 Orders	40 009	0221	0235
UNABCO	Sur Seal Gasket & Packing Co	40 009	0236	0259
UNABCO	Misc. 'S' Orders - 1970	40 009	0240	0271
UNABCO	Wisconsin Gasket & Mfg Co	40 009	0272	0277
UNABCO	LES Insulation 1970 Orders	40 009	0278	0306
UNABCO	The John B. Myers Co. 1970 Orders	40 009	0307	0317

PRE 75 DOCUMENTS LOCATED IN
CUMMINS CORP. FIREARMS CORPORATION
ADMISSIONS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
UNAKO	Misc. 'M' - 1970 Orders	60 009	0318	0328
UNAKO	Nat'l Distributing Co. 1970 Orders	60 009	0329	0330
UNAKO	Harfolk B. Western Dry Co. 1970 Orders	60 009	0351	0360
UNAKO	PPG Industries Inc. 1970 Orders	60 009	0361	0368
UNAKO	Packing Industries 1970 Orders	60 009	0369	0379
UNAKO	Carl E. Paulson & Co. 1970 Orders	60 009	0380	0390
UNAKO	Penn Central Co. 1970 Orders	60 009	0391	0459
UNAKO	Unarco Board Product Code No. 63	60 009	0460	0467
UNAKO	MacArthur Co. 1970 Orders	60 009	0468	0477
UNAKO	Marquette Insulation - 1970 Orders	60 009	0478	0489
UNAKO	Mid Tennessee Supply Co. - 1970 Orders	60 009	0490	0501
UNAKO	Midwest Packing & Cartel Corp. - 1970 Orders	60 009	0502	0522
UNAKO	Miles Rubber & Packing Co. - 1970 Orders	60 009	0523	0542
UNAKO	Modern Packing Co. - 1970 Orders	60 009	0543	0580
UNAKO	Monarch Packing & Sply Co. - 1970 Orders	60 009	0581	0601
UNAKO	Monasento Co. - 1970 Orders	60 009	0602	0613

PM 75 DOCUMENTS LOCATED IN
CURTIS (CURTIS) FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF PAGE	FILE END PAGE
UNAFCO	J.B. Holt Inc. - 1970 Orders	40 009	0614	0633
UNAFCO	Underwriters Laboratories	40 009	0634	0677
UNAFCO	Superintendents of Documents	40 009	0678	0748
UNAFCO	Unlabeled (UNAFCO Product Data)	40 009	0749	0850
UNAFCO	American Asbestos	40 009	0851	1042
UNAFCO	3M Asbestos Fiber - 32 Grade Chrysotile	40 009	1043	1076
UNAFCO	Johns-Manville	40 009	1077	1181
UNAFCO	Raybestos - Norbotten Co.	40 009	1182	1220
UNAFCO	Raybestos - Norbotten	40 009	1221	1320
UNAFCO	Price List- Specialty Insulation	40 009	1321	1432
UNAFCO	Lab Administration	40 009	1433	1474
UNAFCO	Unacboard trademark	40 009	1475	1477
UNAFCO	Sales Weather Exposure Tests	40 009	1478	1481
UNAFCO	Inspection Procedures General	40 009	1482	1512
UNAFCO	Unlabeled (UNAFCO Product Data)	40 009	1513	1529
UNAFCO	Unlabeled	40 009	1530	1534

PAGE 73 DOCUMENTS LOCATED IN
 QUINCY CORNING FILM REELS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE #	FILE #
UNLACD	Unlabeled	60 009	1553	1553
UNLACD	Unlabeled (Indices to Packing Price Sheets)	60 009	1554	1723
UNLACD	Unlabeled (File Sheets)	60 009	1724	1740
UNLACD	Novonations (brochure)	60 009	1741	1818
UNLACD	Insulators (brochure)	60 009	1819	1920
UNLACD	Unlabeled Index of Specification 63	60 009	1921	1946
UNLACD	Unlabeled	60 009	1947	1963
UNLACD	QC Administration	60 009	1966	1969
UNLACD	Unlabeled	60 009	1970	2202
UNLACD	1968 Chembest Weekly Report of Orders Received	60 011	0001	0758
UNLACD	Plant #9 Bloomington, Illinois 12/31/68	60 011	0759	0943
UNLACD	Plant #9 Bloomington, Illinois 6/28/68	60 011	0944	1158
UNLACD	File 9	60 011	1159	1977
UNLACD	Chembest Invoices, March 1968 Inv # 1 13782 to 1-16055	60 011	1978	2237

PM 73 DOCUMENTS LOCATED IN
OUTLINE COMMING FILM REELS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
UNARC	Chembest Invoices, Invoice #14034 14297, April 1968	60 011	2238	2310
UNARC	Chembest Invoices, Inv. #14298-14528, May 1968	60 011	2511	2749
UNARC	Chembest Division, Inv. #14529 to 14763, June 1968	60 011	2750	2998
UNARC	Chembest Division, Inv. #14764 to 15007, July 1968	60 011	2999	3260
UNARC	Chembest Invoices, February 1968, Inv. #1-13518 to 1-13782	60 011	3261	3530
UNARC	Chembest Division, Inv. #15008 to 15258, August 1968	60 011	3531	3790
UNARC	Chembest Invoices, Inv. #15259 to 15446, September 1968	60 011	3791	3980
UNARC	Chembest Invoices, Inv. #15447-15670, October 1968	60 011	3981	4206
UNARC	Chembest Invoices, Inv. #15671-15863, November 1968	60 011	4207	4401
UNARC	Chembest Invoices, Inv. #15864-16069, December 1968	60 011	4402	4610
UNARC	file 21	60 011	4611	4843
UNARC	Unarco Invoices (Chembest) April 1970 (1st	60 012	0007	0045

PRI 73 DOCUMENTS LOCATED IN
 QUINCY CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
	(thru 15th)			
UNALCO	Unlabeled (Invoices)	40 012	0390	0407
UNALCO	Unlabeled (Invoices)	40 012	0408	0552
UNALCO	Purchase Regulations Invol. - Pig - felt	40 013	0001	0526
UNALCO	Wagner Litho Machinery Division c 125142 & 3, National Standard Co., Secaucus, NJ	40 013	0527	0570
UNALCO	Unrecaboard Prod. Reports, Oct. 1969	40 013	0571	0620
UNALCO	Unrecaboard Prod. Reports, Sept. 1969	40 013	0621	0757
UNALCO	Unrecaboard Prod. Reports, Aug. 1969	40 013	0758	0834
UNALCO	Unrecaboard Prod. Reports, May 1969	40 013	0835	0965
UNALCO	Unrecaboard Prod. Reports, July 1969	40 013	0966	1088
UNALCO	Unrecaboard Prod. Reports, June 1969	40 013	1089	1206
UNALCO	Unrecaboard Prod. Reports April 1969	40 013	1207	1306
UNALCO	Unrecaboard Prod. Reports March 1969	40 013	1307	1409
UNALCO	Unrecaboard Prod. Reports Feb. 1969	40 013	1410	1498
UNALCO	Unrecaboard Prod. Reports Jan 1969	40 013	1499	1673

PRI 75 DOCUMENTS LOCATED IN
OAKRIS COMBINE FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE REF. PAGE
UNARCO	Certificate of Compliance from Johns Manville	40 013	1674	1683
UNARCO	Certificate of Compliance, Glass Sliver from Quomo-Corning Fiberglas	40 013	1684	1688
UNARCO	Quomo Corning	40 013	1689	1697
UNARCO	164.009	40 013	1698	1730
UNARCO	Unrecorded Mar. '48	40 013	1731	1816
UNARCO	Specification No. 32-44-B	40 013	1817	1837
UNARCO	Unrecorded July 8 Aug. 1948	40 013	1838	1904
UNARCO	Unrecorded Oct. 1948	40 013	1907	2115
UNARCO	Unrecorded Sept. 1948	40 013	2116	2215
UNARCO	Resin Schedule for Slab Line	40 013	2214	2217
UNARCO	Specification MIL-A-1071A	40 013	2218	2227
UNARCO	Specification MIL-P-1164 (1)	40 013	2228	2446
UNARCO	MIL-B-117A (1) Bags - Interior Package	40 013	2447	2475
UNARCO	Specification MIL-B 121	40 013	2476	2551
UNARCO	MIL-E-742A	40 013	2552	2598

PRI 73 DOCUMENTS LOCATED IN
 OAKRIDGE FIREARMS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE MIC PAGE	FILE MIC PAGE
UNAKO	MIL Std 769 Thermal Insulation Requirements for Machinery & Piping	60 013	2599	2627
UNAKO	Resin, Polyester, Low Pressure Laminating MIL-R-75750 14 Nov. 1959	60 013	2628	2641
UNAKO	UNAKO Fibrous Products Division Safety Program	60 014	0001	0035
UNAKO	UNAKO Fibrous Products Division Safety Program & Plant Protection Guide	60 014	0036	0093
UNAKO	Unarcohard U.L. Procedure	60 014	0094	0096
UNAKO	Bulletins	60 014	0097	0106
UNAKO	Unarco Billing Reports	60 014	0107	0112
UNAKO	Corrison Plumbing & Heating	60 014	0113	0116
UNAKO	Bug's Brakes, Inc.	60 014	0117	0121
UNAKO	Berber Colman	60 014	0122	0124
UNAKO	Acme Woodworks, Inc.	60 014	0125	0136
UNAKO	Chembest Invoices, March 1970 1 00169 1-00376	60 014	0139	0145
UNAKO	Chembest Invoices, February 1970 Invoices 1 00161 - 1-10146	60 014	0146	0169

PRI 75 DOCUMENTS LOCATED IN
 QUINCY CORNING FILM REEL AS CORPORATION
 ASSET 5105 DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE 11114	BOX #	FILE REG PAGE	FILE IMB PAGE
UNAKO	Chemical Invoices, January 1970 1 18403 1-18783	40 014	0170	0182
UNAKO	Orders Received - 1970	40 014	0183	0216
UNAKO	Chemical Credit Memo 1970	40 014	0217	0224
UNAKO	Unlabeled	40 014	0225	0453
UNAKO	Notice of Pre-paid Shipments	40 014	0454	0471
UNAKO	Quincy Corning Fiberglass Corp.	40 014	0472	0479
UNAKO	UNAKO dated 1964, 1965, 1968	40 014	1492	1494
UNAKO	MDA C 4050	40 014	1495	1507
UNAKO	MDA C 4037	40 014	1508	1521
UNAKO	1960	40 014	1522	1567
UNAKO	Asbestos Caskets 1970 Orders	40 016	0406	0417
UNAKO	Adams Insulations, Inc. 1970 Orders	40 016	0418	0429
UNAKO	The Allen Packing & Rubber Co 1970 Orders	40 016	0430	0440
UNAKO	Alert Rig & Supply Co 1970 Orders	40 016	0441	0484
UNAKO	Allied Services Inc. 1970 Orders	40 016	0485	0496

PRI 73 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
UNANCO	Aluminum Company of America 1970 Orders	40 016	0497	0511
UNANCO	American Asbestos Textile Corp 1970 Orders	40 016	0512	0524
UNANCO	American Packing & Gasket Co 1970 Orders	40 016	0525	0532
UNANCO	Andrew Asbestos & Rubber Co. 1970 Orders	40 016	0533	0539
UNANCO	Appleton Packing & Gasket Inc. 1970 Orders	40 016	0594	0605
UNANCO	Archison Tappan & Sons Co Bay 1970 Orders	40 016	0606	0617
UNANCO	Misc. 'A' 1970 Orders	40 016	0618	0642
UNANCO	E. J. Bartells Company 1970 Orders	40 016	0643	0690
UNANCO	Bostwick-Brown Company 1970 Orders	40 016	0691	0706
UNANCO	J. P. Buehnell Packing Sply Co 1970 Orders	40 016	0707	0825
UNANCO	Misc. 'B' 1970 Orders	40 016	0826	0857
UNANCO	A. Neill Camfield 1970 Orders	40 016	0858	0888
UNANCO	Capital Industrial Fabricators 1970 Orders	40 016	0889	0900
UNANCO	Co'ing Service Corp 1970 Orders	40 016	0901	0911
UNANCO	A. W. Chesterlan Company 1970 Orders	40 016	0912	0947
UNANCO	Chicago Burlington & Quincy RR Co 1970	40 016	0948	0958

PM 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BGL PAID	FILE END PAID
UNAKO	Orders			
UNAKO	Chicago Milwaukee St Paul & Pacific Ry 1970 Orders	60 016	0959	0997
UNAKO	Chicago, Rock Island & Pacific RR Co 1970 Orders	60 016	0998	1017
UNAKO	The Clark Asbestos Company 1970 Orders	60 016	1018	1157
UNAKO	Cleco & Co., Inc. 1970 Orders	60 016	1158	1168
UNAKO	Coleman - Midland Belling & Sply 1970 Orders	60 016	1169	1188
UNAKO	Columbia Asbestos Company 1970 Orders	60 016	1189	1209
UNAKO	Covil Insulation Company 1970 Orders	60 016	1210	1220
UNAKO	The Crane Packing Company 1970 Orders	60 016	1221	1286
UNAKO	Misc. 'C' Orders 1970	60 016	1287	1304
UNAKO	Belmore Insulation Co., 1970 Orders	60 016	1305	1315
UNAKO	JMO J Bisch Company, 1970 Orders	60 016	1316	1381
UNAKO	Bow Chemical Company, 1970 Orders	60 016	1382	1390
UNAKO	Bow Corning Corporation, 1970 Orders	60 016	1391	1401
UNAKO	E I DuPont Nemours & Co., 1970 Orders	60 016	1402	1413

PHI 75 DOCUMENTS LOCATED IN
COURTS (CONTAINS FIVE BGLAS CORPORATION
ASBESTOS DOCUMENT BY POSITION)

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
UNAKCO	Misc. 'g', 1970 Orders	60 016	1634	1635
UNAKCO	Electro Motive Div. GMC, 1970 Orders	60 016	1636	1636
UNAKCO	Erie Locksman Bay Co., 1970 Orders	60 016	1637	1647
UNAKCO	Federal Corporation, 1970 Orders	60 016	1648	1681
UNAKCO	Field & Shurtz Company, 1970 Orders	60 016	1682	1503
UNAKCO	Misc. 'j', 1970 Orders	60 016	1504	1524
UNAKCO	General Insulation & Sply. Co., 1970 Orders	60 016	1525	1539
UNAKCO	GSA General Services Administration, 1970 Orders	60 016	1540	1604
UNAKCO	Goodell Rubber Company, 1970 Orders	60 016	1605	1649
UNAKCO	Great Northern Bay Co., 1970 Orders	60 016	1670	1751
UNAKCO	Misc. 'G', 1970 Orders	60 016	1752	1764
UNAKCO	Geo. V. Hamilton, Inc., 1970 Orders	60 016	1767	1788
UNAKCO	Harrison Bolt & Nut Company, 1970 Orders	60 016	1789	1800
UNAKCO	Harrop Ceramic Service Co., 1970 Orders	60 016	1801	1812
UNAKCO	Hoffman Specialty, Mfg Corp., 1970 Orders	60 016	1813	1839

PRE 73 DOCUMENTS LOCATED IN
OURAS (COMING) JIMBA AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DATE	FILE PAGE
UNAKO	Mollis & Company, 1970 Orders	60 016	1840	1852
UNAKO	Mollen Center Packing Co., 1970 Orders	60 016	1853	1864
UNAKO	Misc. 'M', 1970 Orders	60 016	1865	1897
UNAKO	Missile Control Railroad Co., 1970 Orders	60 016	1898	1905
UNAKO	Yound Sales Corp., Insulation & Materials Div., 1970 Orders	60 016	1906	1995
UNAKO	Insulco, Inc., 1970 Orders	60 016	1996	2024
UNAKO	Low-Mittimo Thermal Insulation Inc., 1970 Orders	60 016	2025	2098
UNAKO	Johns-Manville Sales Corp., 1970 Orders	60 016	2099	2155
UNAKO	Jocon Mfg. Company, 1970 Orders	60 016	2156	2167
UNAKO	Robert A. Keady Company, 1970 Orders	60 016	2168	2179
UNAKO	Kato Div., Walter Kiddo & Company, 1970 Orders	60 016	2180	2192
UNAKO	North Bros. Co. 1970	60 019	1097	1105
UNAKO	REC Systems, Inc., Remesha, Misc., 1970 Orders	60 019	1360	1367
UNAKO	LE Thurston & Sons, Inc. 1970 Orders	60 019	1368	1418

PHI 75 DOCUMENTS LOCATED IN
 QUINCY CORRIGS FIREARMS CORPORATION
 ASSETTOS DOCUMENT B. HISTORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REQ. PAGE	FILE REQ. PAGE
UNKNOWN	Doc. '9' - 1970 Orders	60 019	1419	1428
UNKNOWN	Bunt Collectors	60 020	0477	0490
UNKNOWN	Department 06 Requisitions, 1969	60 020	0500	0503
UNKNOWN	General Requisitions 36, 1969	60 020	0504	0506
UNKNOWN	Requisition Copies - Gen. 36	60 020	0507	0509
UNKNOWN	Department 01-02-03 Requisitions 1969	60 020	0510	0513
UNKNOWN	Work Order C-593	60 020	0592	0610
UNKNOWN	Rejected Work Orders	60 020	0611	0626
UNKNOWN	Work Order C-585	60 020	0627	0642
UNKNOWN	Unlabeled	60 020	0643	0646
UNKNOWN	Work Orders	60 020	0647	0643
UNKNOWN	Safety Meetings & Correspondence	60 020	0648	0692
Unknown	Quality Control Data - Recording & Reporting	01 003	1341	1358

PGI 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Unknown	Plester	01 004	1632	1878
Unknown	Competitive Material Survey	01 004	1879	1925
Unknown	Unlabeled	01 005	0157	0162
Unknown	Kayle Meetings - Team Mtg's	01 007	0001	0107
Unknown	Glass fibers ... No. 3	01 007	0108	0273
Unknown	Hydrous Calcium Silicates Part 1 - The System Lime-Silica-Water	01 007	1080	1266
Unknown	Glass fibers - No. 6	01 007	1265	1428
Unknown	Glass fibers ... No. 5	01 008	0001	0146
Unknown	Glass fibers ... No. 1	01 008	0147	0277
Unknown	Glass fibers ... No. 4	01 008	0278	0425
Unknown	Glass fibers ... No. 2	01 008	0426	0612
Unknown	J. Nelsor, 11/69 - 5/72	01 008	0613	0812
Unknown	Nelsor, Dec 1969 - April 1971	01 008	0813	1010

PRI 73 DOCUMENTS LOCATED IN
OUTRIS (CONTINING FIRM) AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Unknown	Melzer, 12/68 - 12/69	01 008	1031	1163
Unknown	Unlabeled	01 008	1163 01	1393
Unknown	Kaylo Improvement Program, Long Fiber Amosite	01 008	1394	1581
Unknown	Application Instructions for Friction fit Building Insulation	01 009	0430	0637
Unknown	Industrial Insulations	01 009	0638	0713
Unknown	Unlabeled	01 009	0829	0866
Unknown	Insulation Performance Data - Kaylo Products	01 009	0867	0970
Unknown	Industrial Insulations Manual	01 009	0971	1102
Unknown	Unlabeled	01 009	1103	1156
Unknown	Medical Correspondence - Special Cases	01 009	1233	1250
Unknown	Kaylo History	01 009	1251	1300
Unknown	Asbestos-free Kaylo, 2/16/72	01 010	0498	0520
Unknown	Unlabeled	01 010	0521	0643

PRE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE PAGE
Unknown	fyrcor - Molten Metal	01 016	0461	0469
Unknown	Asbestos-free fyrcor dust formulas	01 016	1237	1253
Unknown	Type III Cement - fyrcor	01 016	1254	1267
Unknown	Unlabeled	01 018	0425	0809 01
Unknown	Batch Density 1967	01 018	0810	0928
Unknown	Kaylo Batch Formulations, '58-'62	01 018	0929	1076
Unknown	SIS Plant Data '65 New Batch Form	01 018	1077	1219
Unknown	Kaylo 10 Batch Formulations	01 018	1220	1440
Unknown	Kaylo Batch Form K-10, 43 47	01 018	1441	1600
Unknown	K-10 Batch Formulations, 1948-1972	01 018	1601	1757
Unknown	Berlin Formul.	01 019	0245	0348 01
Unknown	Fyrcor Formulations	01 019	0784	0870
Unknown	Unlabeled	01 020	0001	0001
Unknown	Pouring Action 34 in (slides)	01 020	0002	0015

PM 73 DOCUMENTS LOCATED IN
QUEST'S (OWNING FIRM) AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE NO. PAGE	FILE NO. PAGE
Unknown	Pilot Plant Develop. (slides)	01 020	0016	0038
Unknown	Unlabeled	01 020	0039	0040
Unknown	Large Mold (slides)	01 020	0041	0055
Unknown	Unlabeled (slides)	01 020	0056	0076
Unknown	34 in. report (slides)	01 020	0075	0089
Unknown	34' Close up photo, Slurry Tank (slides)	01 020	0090	0111
Unknown	Kayle K-17 Core Material, Trip Report, Schlitzman Manfg. Corp., Busing and Hunt, Inc., Literature Search Underwriters Lab	01 020	0112	0187
Unknown	Kayle Product Specifications	01 020	0555	0816
Unknown	Unlabeled	01 020	1288	1362
Unknown	Asbestos Workers' Union	01 022	0309	0345
Unknown	Asbestos Workers' Union (2)	01 022	0346	0428
Unknown	Medical Inquiries - 1955	01 022	0429	0551
Unknown	Industrial Hygiene Foundation, Bust County Survey	01 022	0552	0567
Unknown	Siebert, Dr. Walter J.	01 022	0568	0583

PRI 73 DOCUMENTS LOCATED IN
QUESTS COMBINE FINE AND AS CORPORATION
ASSESSIOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE B/L PAGE	FILE END PAGE
Unknown	Camfield, A. E.	01 022	0584	0600
Unknown	Industrial Hygiene Committee	01 022	0601	0608
Unknown	Effect of Inhaled Commercial Hydrrous Calcium Silicate Dust on Animal Tissues	01 022	0609	0622
Unknown	#12	01 022	0623	0626
Unknown	#10	01 022	0627	0634
Unknown	#4	01 022	0635	0641
Unknown	Hazards of Competitive Products	01 022	0642	0668
Unknown	National Safety Congress - Chicago	01 022	0669	0706
Unknown	State of Ohio	01 022	0707	0724
Unknown	Shipyards - Todd, Erie Basin	01 022	0725	0735
Unknown	Campbell, Dr. H. A.	01 022	0736	0740
Unknown	Complaints 1947-1948	01 022	0741	0778
Unknown	Episode Action Plan, 12 1-2	01 022	0787	0789
Unknown	Unlabeled	01 022	0847	0851
Unknown	Unlabeled	01 022	1161	1177

PM 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Unknown	Occupational Diseases - Asbestos Workers Union	01 Q22	1180	1270
Unknown	Airborne Health Hazards	01 Q22	1271	1281
Unknown	Account - Colonel - Baltimore Trip, etc	01 Q22	1282	1310
Unknown	Administrative - Asbestos & Fiberglass	01 Q22	1319	1334
Unknown	1944 - 1945, Process Improvement Program	01 Q22	1341	1351
Unknown	General Services Administration	01 Q23	0442	0555
Unknown	Glass Fibers... No. 3	01 Q23	1275	1331
Unknown	10-C1-42-11, Kaylo Improvement Program by R. F. Shannon	01 Q23	1343	1366
Unknown	Box No. A	01 Q25	0071	0202
Unknown	Miscellaneous Correspondence, 10/2/48 4/18/69	01 Q25	0341	0425
Unknown	Planning Issues, Kaylo Mfg, R. F. Shannon, January 31, 1948	01 Q25	0773	0777
Unknown	Fiberglass New Kaylo Southwest Plant Survey, December 10, 1958	01 Q25	0785	0795

PRI 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Unknown	UNLABELED/UNKNOWN Agent	01 029	1/62	1849
Unknown	Kayle Asbestos Containing Batch, Purchase Specs	01 036	0169	0295
Unknown	Formulation Control	01 036	0556	0608
Unknown	Unlabeled	01 038	1224	1358
Unknown	Unlabeled	01 039	1431	1540
Unknown	Unlabeled	01 039	1541 01	1582
Unknown	Historical, An Outline of the Manufacturing of Kayle Products	01 040	0001	0131
Unknown	Unlabeled	01 040	1020	1028
Unknown	Unlabeled	01 040	1029	1170
Unknown	Kayle Process Improvement Reports 61 & 2	01 041	1236	1438
Unknown	Unlabeled	01 041	1439	1464
Unknown	Unlabeled	01 041	1617	1617

PM 73 DOCUMENTS LOCATED IN
 QUENS CORNING FIBERGLASS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DECL PAGE	FILE EMP PAGE
Unknown	Umbrella Liability Policy - Home Ins., NEC 9794729, 10/22/71-72	01 042	0738	0749
Unknown	Umbrella Liability (NEC 9793041), 10/22/70-71	01 042	0750	0764
Unknown	Umbrella Liability (02 HS 703 SC), 10/11/70- 10/22/70	01 042	0765	0782
Unknown	Umbrella Liability (2 HS 85C), 10/11/64-67	01 042	0783	0799
Unknown	Umbrella Liability Policy - Home Ins. NEC 9794729, 10/22/71-72	01 042	1525	1536
Unknown	Umbrella Liability (NEC 9793041), 10/22/70-71	01 042	1537	1551
Unknown	Umbrella Liability (02 HS 703 SC), 10/11/70- 10/22/70	01 042	1552	1569
Unknown	Umbrella Liability (2 HS 8 SC), 10/11/64-67	01 042	1570	1585
Unknown	Queens Corning Fiberglass - Excess Policy 10/22/57 - 10/22/58	01 042	1586	1645
Unknown	Queens Corning Fiberglass Excess Policy 10/22/57-10/22/58	01 042	1646	1705
Unknown	Queens Corning Fiberglass Excess Policy 9/1/59-10/1/60	01 042	1706	1768
Unknown	Queens Corning Fiberglass Excess Policy 10/1/60-10/1/61	01 042	1769	1815
Unknown	Queens Corning Fiberglass Excess Policy 10/1/61-10/1/62	01 042	1816	1850

PAGE 75 DOCUMENTS LOCATED IN
QUEEN'S CORNING FIBERGLASS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC PAGE	FILE END PAGE
Unknown	Queen Corning Fiberglass Excess Policy 10/1/62-10/1/63	01 042	1851	1885
Unknown	Queen Corning Fiberglass Excess Policy 10/1/63-10/1/64	01 042	1886	1898
Unknown	Queen Corning Fiberglass Excess Policy 10/22/57-10/22/58	01 042	1899	1956
Unknown	Queen Corning Fiberglass Excess Policy 10/22/58-9/1/59	01 042	1957	2016
Unknown	Queen Corning Fiberglass Excess Policy 9/1/59-10/1/60	01 042	2017	2082
Unknown	Queen Corning Fiberglass Excess Policy 10/1/60-10/1/61	01 042	2083	2128
Unknown	Queen Corning Fiberglass Excess Policy 10/1/61-10/1/62	01 042	2129	2162
Unknown	Queen Corning Fiberglass Excess Policy 10/1/62-10/1/63	01 042	2163	2197
Unknown	Queen Corning Fiberglass Excess Policy 10/1/63-10/1/64	01 042	2198	2210
Unknown	Unlabeled	01 043	0001	1677
Unknown	Unlabeled	01 044	0001	1888

PRE 75 DOCUMENTS LOCATED IN
OAKES COMMING FINEARTS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE MIC. PAGE	FILE MIC. PAGE
Unknown	Unlabeled	01 045	0001	1891
Unknown	Unlabeled	01 046	0116	0347
Unknown	Unlabeled	01 046	0348	0518
Unknown	Unlabeled	01 046	0519	0707
Unknown	Unlabeled	01 046	0708	0855
Unknown	Unlabeled	01 046	0856	1015
Unknown	Unlabeled	01 046	1016	1175
Unknown	Unlabeled	01 046	1304	1557
Unknown	Unlabeled	01 047	0001	0303
Unknown	K-37 Core	01 047	0304	0630
Unknown	Unlabeled	01 047	0431	0909
Unknown	Kaylo Process Shrinkage, Berlin Expansion Pan-filter Press	01 047	1190	1391
Unknown	Kaylo Product Properties	01 047	1392	1542
Unknown	K-37 Core	01 047	1705	1858

PM 73 DOCUMENTS LOCATED IN
 OWENS CORNING FIBERGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITION

10/31/09

SOURCE	FILE TITLE	BOX #	FILE BCL PAGE	FILE END PAGE
Unknown	Historical Data	01 047	1859	1988
Unknown	1 1/2 Hour K-17 Core Fire Door Tests at Granville Using K-Bond Cement	01 047	1989	2010
Unknown	Unlabeled	01 047	2011	2204
Unknown	Unlabeled	01 047	2205	2494
Unknown	Kayle Product Properties	01 047	2495	2644
Unknown	Kayle Product Properties	01 048	0001	0151
Unknown	Unlabeled	01 048	0585	0770
Unknown	Unlabeled	01 048	0771	0984
Unknown	Unlabeled	01 048	0985	1257
Unknown	Unlabeled	01 048	1258	1499
Unknown	Trip Report, Substation Manufacturing Corporation & Busing & Hunt, Incorporated on Use of K-17 Kayle Core	01 049	1500	1578
Unknown	JM Licensing Agreement - Filter Press Process	01 051	0591	0557
Unknown	K10 - Pipe/Block - Physicals Thermal Sci	01 051	0558	0675

PRI 73 DOCUMENTS LOCATED IN
OURHS FORMING FIRM INC AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DATE	FILE DATE
	ly Officers			
Unknown	Standard and Proposed Batches Coated Glass Fibers	01 051	0676	0750
Unknown	Historical Data	01 051	0751	0858
Unknown	Historical Data	01 051	0859	0965
Unknown	SIB Cycles 122-27	01 051	0966	1078
Unknown	Load Factors, Car and Van, IBC Division Products	01 051	1134	1162
Unknown	SIB Cycles Trains 39 55	01 051	1696	1864
Unknown	SIB Cycles 1. 20-30	01 051	1865	2146
Unknown	A. B. Boney, Berlin Plant Schedules & Budget Write-ups, 1960	01 052	0001	0069
Unknown	Kayle Heat Insulation #5, Appendix to Heat Insulation Data, Pipe and Flat Surfaces	01 052	0246	0297
Unknown	Unlabeled	01 052	0298	0367
Unknown	No. 2 Molded Pipe Training Manual	01 052	0368	0412
Unknown	Cylindrical Prestressing Process for Manufacture of Kayle Insulating Materials and Other Related Products of Various Denatities by Instrusion	01 052	0463	0481

PRI 73 DOCUMENTS LOCATED IN
OUR MS CONTAINING FIDELIAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE MIC PAGE	FILE TAB PAGE
Unknown	Keylo Product Properties	01 052	0794	0944
Unknown	1-1/2 Hour K-17 Core Fire Door Tests at Granville Using K Band Cement	01 052	1021	1042
Unknown	Stress Corrosion	01 052	1373	1442
Unknown	Unlabeled	01 052	1443	1594
Unknown	Batch Formulation, K-10, 43-67	01 052	1418	1795
Unknown	Unlabeled	01 052	1812	1880
Unknown	Keylo Research Stress Corrosion and Other Formulations, Master File, Book No 1	01 054	0001	0173
Unknown	Keylo Research Stress Corrosion Results on Batch Formulations, Listed Categorically	01 054	0374	0755
Unknown	Keylo Research Formulations Results Listed Categorically, Book No. Two 2	01 054	0754	0942
Unknown	Binder	01 041	0196	0554
Unknown	The Manufacturing of Keylo Products, by W C Taylor, 6/10/59	01 042	0284	0348
Unknown	Unlabeled	01 042	0345	0484

PAGE 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REC. PALS	FILE END PAGE
Unknown	Unlabeled	01 042	0481	1496 01
Unknown	Kayle Core Wood Fire Doors	01 043	0284	0386
Unknown	Manufactured Insulation Book No. 1	01 043	0751	0857
Unknown	Unlabeled	01 043	0858	0917
Unknown	Trip Report Sublstrom Manufacturing Corporation & Busing & Hunt, Incorporated on Use of K17 Kayle Core	01 043	0918	0980
Unknown	Kayle Historical Data	01 044	0208	0374
Unknown	Kayle Research Formulations, 6.5 (Formulation Numbers)	01 044	0375	0617
Unknown	Kayle Research Formulations, Results Listed Categorically, Book No. One, 1	01 044	0618	0829
Unknown	Kayle Research Stress Corrosion and Other Formulations, Master file, Book No. 2	01 045	0439	0706
Unknown	AS...Mfg. Specs., Ceiling Board and Acoustical Tile, Purchase Acceptance Standard PAS 5.1 10, Underwriters Label, Fiberglas High Temperature Block, Fiberglas Multi...Temp Pipe, PAS for New Materials	01 045	0707	0956

PAGE 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Unknown	Test Methods for Blue and Amosite Asbestos fibres	01 046	0559	0796
Unknown	Handbook of Asbestos Textiles	01 046	0797	0802
Unknown	Unlabeled	01 047	0251	0501 01
Unknown	Unlabeled	01 047	0502	0894
Unknown	Unlabeled	01 047	0895	2308
Unknown	Kayle, Historical, Trip Report JM H/ville Denison, Report, Flintcoat	01 048	0236	0349
Unknown	Fibers, Coatings, Material	01 048	0350	0436
Unknown	Kayle	01 048	0437	0618
Unknown	Finish Cement	01 048	0619	0671
Unknown	Kayle, Historical, Sayreville and Berlin, Construction, B.E.M. Iron Saw Line	01 048	0672	0829
Unknown	Sound Control Products and Systems, Architectural Acoustical Materials	01 049	0182	0490
Unknown	Kayle, Price Sheet, Kayle, Fire Rated Fiberglass Products	01 049	0491	0641

PM 75 DOCUMENTS LOCATED IN
OWENS-CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL PAGE	FILE END PAGE
Unknown	A 2 Fire Rated Specs	01 069	0842	0874
Unknown	Batch formula 1950's	01 069	0974	1065
Unknown	Unlabeled	01 069	1126	1195
Unknown	Experimental Plant Batch formulas, 1962	01 069	1196	1320
Unknown	Unlabeled	01 071	1531	1606
Unknown	Unlabeled	01 077	2653	2603
Unknown	Tentative Manufacturing Specification	01 077	2516	2532
Unknown	Underwriters' Laboratories, Inc., File No 84353	01 077	2533	2559
Unknown	Lycor, March 29, 1971, R. F. Shannon	01 077	2560	2591
Unknown	U.S. Department of Commerce Maritime Specification for Panel, Bulkhead, Lining, Ceiling, Inorganic, Incandescent	01 077	2592	2601
Unknown	Unlabeled	01 077	2753	2753
Unknown	Manual of Testing Procedures for Chrysotile Asbestos fibre	01 078	0001	0174

PRI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE ENC. PAGE	FILE ENC. PAGE
Unknown	No. 1 Flatware Line Training Manual	01 079	0001	0028
Unknown	Berlin Plant Presentation, July 1963	01 079	0029	0078
Unknown	Misc. - Old Process Specs	01 079	0583	0761
Unknown	No. 2 Molded Pipe Training Manual	01 079	0762	0806
Unknown	Methods Engineering Dept. #1 Production Line Training Manual, J. B. Rhoads	01 079	0807	0832
Unknown	A Guide to the Electric Utility Industry for the Industrial Insulation Salesman	01 079	0833	0882
Unknown	Unlabeled	01 079	0883	0893
Unknown	Asbestos free Kaylo 2/16/72	01 079	0894	0915
Unknown	Research & Development Plans for 1968 in Support of Marketing Objectives, March 1, 1968	01 079	1492	1616
Unknown	Chemfering of HPC	01 081	1521	1550
Unknown	General Engineering	01 081	1531	1586
Unknown	General Engineering	01 081	1587	1618
Unknown	GP-400	01 081	1638	1639
Unknown	Unlabeled	01 081	1947	1961

PM 73 DOCUMENTS LOCATED IN
OURMS (COMING FILING) AS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE END PAGE
Unknown	Ceramic Pallets	01 081	1967	1973
Unknown	Durability	01 081	2316	2322
Unknown	Unlabeled Laboratory Raw Data	01 081	2769	2855
Unknown	Unlabeled	01 084	0266	0268
Unknown	Insulation Performance Data	01 084	0420	0491
Unknown	'Old' Kayla Process Procedures	01 084	0655	0810
Unknown	Lehigh Test Data	01 084	0951	1189
Unknown	Formulation Control Procedure	01 085	0001	0175
Unknown	Berlin Plant Presentation July 1961	01 085	0300	0374
Unknown	Unlabeled	01 085	0407	0437
Unknown	Unlabeled photographs	01 088	0001	0033
Unknown	Unlabeled	01 088	0034	0122
Unknown	Large Size Sectional Mold, E G Siggers, June 23, 1959	01 088	0173	0194

PAI 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REF. PAGE	FILE END PAGE
Unknown	Unlabeled	01 000	1070	1090
Unknown	Supplementary Report on the German Wood Wool Building Slab Industry	01 000	1091	1104
Unknown	S10 Cycles and Train Makeup	01 000	1165	1196
Unknown	Dutch Boy Gun-a-Gal New Thickening and Gelling Agent for Water Systems	01 000	1197	1200
Unknown	S18 Lab Test Data GSC No.	01 000	1507	1576
Unknown	Synthemica, The Synthetic MICA	01 000	1632 04	1731
Unknown	Unlabeled	01 009	0134	0169
Unknown	Unlabeled	01 009	0170	0247
Unknown	S10 Cycles	01 009	0431	0573
Unknown	Unlabeled	01 009	0901	1065
Unknown	Unlabeled	01 009	1066	1135
Unknown	Unlabeled	01 009	1309	1565
Unknown	Investigations on the Production and Properties of Synthetic (Phlogopite) Mica	01 009	1566	1677
Unknown	Synthetic Mica	01 009	1678	2459

PAGE 73 DOCUMENTS LOCATED IN
QUEST'S COMBINE FIREMILLS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE REL. PAGE
Unknown	Unlabeled	01 090	0779	0779
Unknown	Unlabeled	01 091	0184	0184
Unknown	Synthetic Mica - 1949	01 093	0001	0021
Unknown	Test Data	01 093	0753	0754
Unknown	Mold Dimensions	01 093	0755	0758
Unknown	Unlabeled	01 093	0759	0778
Unknown	Findings	01 094	1892	1903
Unknown	Special Runs	01 094	2080	2081
Unknown	Synthetic Mica -- Miscellaneous Reports 1945	01 094	2176	2336
Unknown	Synthetic Mica, 1952	01 094	2617	2678
Unknown	Synthetic Mica - Government Owned Surplus Property	01 094	2679	2771
Unknown	Unlabeled	01 094	0844	0877 17

PRI 73 DOCUMENTS LOCATED IN
OUR'S COMING FINE AND AS COMPARISON
ASME 3103 DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOM #	FILE REC PAGE	FILE END PAGE
Unknown	Unlabeled	01 096	0878	0909
Unknown	Specifications, 2 One Tile	01 096	0910	0937
Unknown	Report on Mineral Composition Units	01 096	0938	0953
Unknown	National Bureau of Standards Report of Test No. 243, Fire - Resistance and Integrity Tests of Kaylo Gullhead Panels	01 096	0954	0973
Unknown	Unlabeled	01 096	0974	0998
Unknown	Report on Mineral Composition Units	01 096	0999	1030
Unknown	Report on Acoustical Material in a floor and Ceiling Construction	01 096	1031	1062
Unknown	Report on floor and Ceiling Construction	01 096	1063	1092
Unknown	Report on Acoustical Tile in a floor and Ceiling Construction	01 096	1093	1119
Unknown	Report on Stress-Corrosion Cracking of Austenitic Chromium-Nickel Stainless Steels	01 096	1120	1218
Unknown	Report, Sound Absorption Test A 64 308 on 5/8 inch Fiberglass Hard Backed Painted Fissured 2-Two Ceiling Board	01 096	1219	1259
Unknown	Report, Sound Absorption Test A 64 309 on 5/8 inch Fiberglass Hard Backed Painted Flat Faced Ceiling Board	01 096	1260	1296
Unknown	Large Size Sectional Mold, 1 6 Siggers,	01 096	1601	1620

PRE 75 DOCUMENTS LOCATED IN
CURRENTS CORRELATION FIRM RECLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
	June 23, 1959			
Unknown	Removable Avicel Rayon Bar Fiber	01 096	1621	1641
Unknown	20-100 Rayon in the Manufacture of Wet Laid Nonwovens and Paper	01 096	1642	1660
Unknown	Unlabeled	01 096	1856	1896
Unknown	K10 Pipe and Block Physical Properties	01 096	2128	2349
Unknown	Berlin Plant Presentation for May, 1961, S. P. Manufacturing Committee Meeting	01 097	0052	0112
Unknown	Berlin Plant Presentation	01 097	0229	0776
Unknown	Large Size Sectional Mold, E. G. Siggers, June 23, 1959	01 097	0775	0796
Unknown	Report on Acoustical Materials in a Floor and Ceiling Construction	01 097	0797	0825
Unknown	Testing Procedures for Chrysotile Asbestos Fibre	01 097	1035	1276
Unknown	Analysis of K10 Pipe Offgases	01 097	1556	1611
Unknown	K10 Pipe Physical and Thermal Properties, Yearly, Monthly, Daily Offgases (emissions)	01 098	0001	0206

PM 73 DOCUMENTS LOCATED IN
 QUINCY CORRIGING FIBREGLAS CORPORATION
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE REL. PAGE	FILE REL. PAGE
Unknown	Fibers, Ceramic, Jute, Cotton	01 090	0271	0405
Unknown	Multi-Temp. Fire Rated Products, PAS, Materials	01 098	0406	0615
Unknown	Unlabeled	01 098	0616	0643
Unknown	Kayle Historical, Pressure Prehardening, Experimental S18 Run	01 098	0464	0804
Unknown	S18 Batch Form.	01 098	0805	0844
Unknown	Unlabeled	01 098	0865	0882
Unknown	Fibers - Composites	01 099	0408	0679
Unknown	Batch S15	01 099	0794 01	0885
Unknown	K10 Pipe... Physical and Thermal Properties	01 099	0886	1093
Unknown	Unlabeled	01 099	1094	1214
Unknown	Formulas, Berlin Batch, 1957 to 1967, Core Material, K17, K20, K10, Heavy Density	01 099	1215	1303
Unknown	Pen Poured Batches	01 099	1304	1395
Unknown	Respirator Program	01 100	2089	2092

PRE 73 DOCUMENTS LOCATED IN
 QUENT'S (QUENT'S FIBERGLAS CORPORATION)
 ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE DIS. PAGE	FILE END PAGE
Unknown	Insulation Performance Data - Kaylo Products	01 101	0778	0889
Unknown	Insulation Performance Data, Kaylo Products	01 102	0952	1063
Unknown	Unlabeled	01 107	0001	0306
Unknown	Unlabeled	01 107	0307	0598
Unknown	Unlabeled	01 107	0605	0605
Unknown	Fibrous Glass Cases Correspondence	01 117	0001	0117
Unknown	Asbestos Cases -- Toledo Files Evidence	01 117	0118	0119
Unknown	Asbestos Cases Murray Files Evidence	01 117	0120	0121
Unknown	Unlabeled	01 117	0122	0710
Unknown	Asbestos Cases -- General	01 117	0711	0712
Unknown	Asbestos Cases -- Medical Literature	01 117	0713	0714
Unknown	Asbestos - General - Client's Records	01 117	2027	2153 01
Unknown	Asbestos Cases	01 117	2154	2154 01
Unknown	Asbestos Cases Background Material	01 117	2155	2960

PM 75 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/11/89

SOURCE	FILE TITLE	BOX #	FILE REG. PAGE	FILE END PAGE
Unknown	OCF Annual Reports - 1952 1968	01 121	0001	0451
Unknown	OCF Annual Reports 1969 1979	01 121	0452	0826
Unknown	Annual Reports 1953 - 1973	01 121	0827	1391
Unknown	U.S. Plywood, faced	01 129	0001	0024
Unknown	Universal Asbestos Cement Product Handbook	01 129	0115	0203
Unknown	faced	01 129	0204	0231
Unknown	Unlabeled	01 129	0232	0316
Unknown	J. H. - Asb. Repl.	01 129	0317	0526
Unknown	Asbestos Replacement, L. L. Clarke	01 129	0527	0560
Unknown	Unlabeled	01 129	0562	0866
Unknown	Unlabeled	01 129	0869	1267
Unknown	Unlabeled	01 129	1269	1645
Unknown	Pittington Asbestos/Cement	01 129	1647	1716
Unknown	Asbestos Marketing Research Project Asbestos/Cement Review 12/22/72	01 129	1785	1857
Unknown	Unlabeled	01 129	1859	2340

PH 75 DOCUMENTS LOCATED IN
OURUS COMING FINEGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE PAGE	FILE PAGE
Unknown	Unlabeled	01 129	2342	2513
Unknown	Unlabeled	01 130	0001	0444
Unknown	Asbestos Replacement, M U Johnston	01 130	0445	0904 01
Unknown	Asbestos Replacement, E. O. Cohen	01 130	1056	1471
Unknown	Unlabeled	01 130	1472	1961
Unknown	Unlabeled	01 130	1962	2416
Unknown	Asbestos Replacement M M Marsh	01 130	2543	2907
Unknown	Health Program #1	01 500	0010	0279
Unknown	Health Program #2	01 500	0030	0059
Unknown	Health Program #3	01 500	0040	0135
Unknown	Occupational Diseases, Asbestos Worker's Union	01 500	0136	0201
Unknown	Wellington Curtain Co.	01 500	0202	0209
Unknown	U	01 500	0210	0279
Unknown	Fuller Letters	01 500	0321	0323

PRI 73 DOCUMENTS LOCATED IN
OWENS CORNING FIBERGLAS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BGL PALE	FILE END PALE
Unknown	Unlabeled	01 129	2542	2555
Unknown	Unlabeled	01 130	0001	0444
Unknown	Asbestos Replacement, M M Johnston	01 130	0445	090A 01
Unknown	Asbestos Replacement, E. B. Cohen	01 130	1054	1471
Unknown	Unlabeled	01 130	1472	1961
Unknown	Unlabeled	01 130	1962	2416
Unknown	Asbestos Replacement M M March	01 130	2543	2907
Unknown	Health Program #1	01 500	0010	0029
Unknown	Health Program #2	01 500	0030	0059
Unknown	Health Program #3	01 500	0060	0135
Unknown	Occupational Diseases, Asbestos Worker's Union	01 500	0136	0201
Unknown	Wellington Curtain Co	01 500	0202	0209
Unknown	U	01 500	0210	0279
Unknown	Fuller Letters	01 500	0321	0323

THE 75 DOCUMENTS LOCATED IN
OURMS CONTAINING FINEGLAS CORPORATION
ASBESTOS DOCUMENTS BY POSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE NO. & PAGE	FILE END PAGE
Unknown	Unlabeled	01 500	0324	0341
Unknown	Master Health Book # 2	01 500	0349	0360
Unknown	Thompson Health Program	01 500	0361	0366
Unknown	Master Health Book A 1	01 500	0367	0390
Unknown	Sylvia & New England Insulation Referred by Walter Brown, Boston	01 500	0391	0394
Unknown	Kettering Article file	01 500	0395	0402
Unknown	Misc.	01 500	0406	0545
Unknown	Wright Report & Swedish Report	01 500	0607	0617
Unknown	ALMA Meeting in St. Louis	01 500	0633	0670
Unknown	Siebert Investigation	01 500	0671	0690
Unknown	Siebert Report (without Exhibits)	01 500	0691	0777
Unknown	Siebert, Dr. Walter J.	01 500	0778	0803
Unknown	Sulzberger, Dr. Marion B.	01 500	0804	0827
Unknown	B4	01 500	0828	0849
Unknown	Shippers - American Shipbuilding Company (Copies of Wage Differential)	01 500	0850	0874

PRE 75 DOCUMENTS LOCATED IN
OUR 75 CONTAINING FIBERGLASS CORPORATION
ASSESSIOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Unknown	Booster on Health Aspects of Fiberglass Materials Used in Shipbuilding	01 500	1080	1218
Unknown	#5	01 500	1220	1223
Unknown	#6	01 500	1224	1227
Unknown	#7	01 500	1228	1298
Unknown	#9	01 500	1299	1319
Unknown	#11	01 500	1320	1323
Unknown	#54	01 500	1328	1331
Unknown	The Biological Action of Inhaled Pulverized Fiberglass - Reinforced Polyester Resin Plastic	01 500	1332	1409
Unknown	Fiberglass Health Program	01 500	1888	2114
Unknown	Fiberglass Health Program	01 500	2115	2344
Unknown	#10	01 501	0001	0131
Unknown	National Safety Congress - Chicago	01 501	0177	0187
Unknown	Hard Baking Company - 1951	01 501	0215	0239
Unknown	Complaints - 1952	01 501	0245	0250

PAGE 75 DOCUMENTS LOCATED IN
OUTRIMS (CONTINUED) LITERALS AS CORPORATION
ASBESTOS DOCUMENT DEPOSITORY

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Unknown	Industrial Hygiene Foundation Survey	01 501	0251	0251
Unknown	Medical Inquiries - 1955	01 501	0263	0271
Unknown	1953 Medical (Inquiries - Complaints) No. 2	01 501	0272	0275
Unknown	Medical Inquiries - 1956	01 501	0283	0288
Unknown	Industrial Hygiene Foundation	01 501	0292	0301
Unknown	Industrial Hygiene Foundation	01 501	0302	0431
Unknown	Hazards of Competitive Products	01 501	0434	0773
Unknown	-B-	01 501	0938	0947
Unknown	Acousti-Colon-Baltimore trip, etc.	01 501	0948	0963
Unknown	Airborne Health Hazards	01 501	0998	1006
Unknown	Medical - Miscellaneous	01 501	1007	1074 01
Unknown	Lectures	01 501	1109	1178
Unknown	Photostats (Miscellaneous)	01 501	1483	1486
Unknown	Shipyards, American Shipbuilding Company	01 501	1487	1491
Unknown	Selling Fiberglass (Medical Aspects)	01 501	1502	1522

PRI 75 DOCUMENTS LOCATED IN
OUTLET'S COMING FROM REAS CORPORATION
ASBESTOS DOCUMENT DEPOSITION

10/31/89

SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Unknown	Sender, Dr. O.A.	01 501	1598	1604
Unknown	Camfield, A.E.	01 505	0001	0009
Unknown	New Product Possibilities	24 001	0225	0271
Unknown	Kayle Drying Pellets	24 001	0272	0295
Unknown	Kayle Tank force, July-Dec. 1980	25 001	0001	0008
Unknown	High Temperature Pipe Meeting, 8/6/79 Granville	25 001	0009	0052
Unknown	Green file card	40 014	0480	0483
Unknown	Unlabeled	40 021	0001	0009
Unknown	July	40 021	0017	0019

Footnotes
File Title Index
Owens-Corning Fiberglas Corporation's Asbestos Documents

- 1 The precise source of some files could not be determined. Information provided in this column is provided merely as a guide;
- 2 In many instances where files are unlabeled, information has been provided parenthetically, generally describing the contents of the file; information in this column is also provided merely as a guide.
- 3 There are certain documents in OCF's files which, when requested, are copied with an overlay, indicating the documents contain confidential or trade secret information. This overlay is intended to protect confidential proprietary, medical or personnel-related information from being disseminated to any person not directly involved in asbestos litigation or for any purpose other than one relating to asbestos litigation. Examples of confidential medical information include (but is not limited to) those materials found in boxes 01082, 01083, and 42018-42024. Recipients of documents bearing a confidential overlay are deemed to consent to this limited dissemination of the documents and agree to notify OCF in writing before circulating such documents beyond the scope of this restriction.
- 4 Page ranges within a file may span numbers that were erroneously skipped during the original numbering process. In stamping the many thousands of pages contained in the library, from time to time, skips occur, and they may not be detected until after the numbering of each box is completed.
- 5 Skips occur principally for two reasons. One, they may result from a mechanical malfunction in the device used for numbering, or two, they may occur due to human error during the stamping process. An operator may, for example, re-ink the machine and, after testing the imprint on a separate pad, fail to reset it to the appropriate number before resuming the stamping. In these instances, resulting from what is generally referred to as a "misfire," there may be an indirect reference on the index to a number which is not in fact represented by a corresponding document.

For example, if within a 10-page file, a misfire occurred after the first page was stamped and the first page in the file was numbered 01, the second page, because of

the misfire, would be numbered 03 instead of 02, the third, 04, etc., until the 10th page was stamped with an 11. Accordingly, if this file was listed on the index, the 10-page file would have 01 as the beginning page number and 11 as the ending page number. In requesting a specific file then, although each nonprivileged document originally found in the file would be provided, there may be, occasionally, no documents for part of a given number range because there was never a document with that number.

Page numbers occasionally may also include a decimal (e.g. 1375.01). Such numbers are used to number pages that were erroneously bypassed during the original numbering.

Pre 1973 File Title Index
Owens-Corning Fiberglas Corporation's Asbestos Documents
Supplement I

The attached index lists the titles of Owens-Corning Fiberglas Corporation's Pre 1973 asbestos related files. Documents claimed as privileged and those post dating OCF's manufacture of asbestos-containing Kaylo are not located in these files. In addition, documents not relevant to the asbestos litigation, but which were physically located next to relevant materials as collected, are likewise not located in these files.

Each document removed from the files has been replaced with an easily identifiable place marker form, setting forth the reason for the document's removal. Place markers representing privileged documents identify the author and recipient of the document, the date, document type, a general subject matter description and the basis for OCF's claim of privilege. To identify documents over which a privilege is asserted, OCF makes available, upon request, an index of its privileged documents.

There is also an index, available upon request, of Post 72 file titles. In addition to listing the Post 72 files, Part II of this index also describes materials which were acquired or assembled during the course of litigation. Although not a part of the records maintained in the ordinary course of business, the non-privileged portions of these materials are available for inspection in Richmond, Virginia upon request.

PRE 1973 FILE TITLE INDEX
OWENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
SUPPLEMENT 1

04/05/91

① SOURCE	② FILE TITLE	③ BOX #	④ FILE BEG. PAGE	⑤ FILE END PAGE
Bloomington	Bloomington Medical Chest X-Rays	60 022	0001	0089
Law	Unlabeled (Unarco related documents; documents are copies of materials also contained in library boxes 01057, 01059, 01060 and 01076)	01 026	0001	1515
Law	Unlabeled (Unarco related documents; documents are copies of materials also found in library boxes 01 057, 01 076)	01 125	0001	1620
Law	Unlabeled (Unarco related documents; documents are copies of materials also found in library boxes 01 057, 01 076)	01 126	0001	1995
Law	Edward Saunders	42 018	0001	0247 01
Law	Charles Rose	42 018	0248	0295 01
Law	Gerald Southard	42 018	0296	0341 01
Law	Fred DiStefano	42 018	0342	0636 01
Law	Stephen Capoferri	42 018	0637	0856 01
Law	Stephen Capoferri	42 018	0857	1126 01
Law	Floyd Lullucci	42 018	1127	1273 01
Law	Harold F. Bronson	42 018	1274	1280 02
Law	Pasquale Menna	42 018	1281	1438 01
Law	Joseph Sciola	42 018	1439	1635 01

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OWENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Law	Joseph Scielea	42 018	1636	1850 01
Law	Miller, Louis	42 021	0001	0178
Law	Monzo, John	42 021	0179	0193
Law	Mongan, William	42 021	0194	0208
Law	Morlino, Michael	42 021	0209	0248
Law	Monna, Pasquale	42 021	0249	0476
Law	Monna, Michael	42 021	0477	0661
Law	Untitled re: Morrison Chester	42 021	0662	1144
Law	Mussell, Harry	42 021	1145	1164
Law	Murry, Preston	42 021	1165	1266
Law	McKendry, Edward	42 021	1267	1399
Law	McGrath, Thomas	42 021	1400	1601
Law	McCurry, Herman	42 021	1602	1693
Law	McClaffray, Bernard	42 021	1694	1780
Law	John Mason	42 021	1781	2243
Law	Morella, Anthony	42 021	2244	2354

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OWENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Law	Marrella, Eugene	42 021	2355	2419
Law	Marrella, Leslie	42 021	2420	2483
Law	Rego, Floyd	42 023	0778	0998
Law	Unlabeled (correspondence and test reports: 1930's - 1970 re: combination fiberglass and asbestos-containing products)	42 025	0001	0226
Law	Binder - "Masterfile - Old Price Sheets - 1944-1949"	42 026	0001	1231
Law	Annual Reports 1945-1950 (2 sets)	42 030	0001	0292
Mixed	Unlabeled (test report re: GPL400)	01 137	0001	
Mixed	Deactivated Products - Master File Listing	13 001	0001	0314
Mixed	Unlabeled (PAS 2.1.43 Kayle Block & Pipe)	22 008	0001	0395
Mixed	Unlabeled (Correspondence - 1960)	49 001	0001	0030
Mixed	From Washington files of Sam Heard	50 001	0001	0539
Printing	Unlabeled (materials re: Multitemp/ IN-2-20 prices)	18 001	0001	0018
Printing	Mechanical Specifications	18 001	0019	0068
Printing	Maps Dept. 40	18 001	0059	0226
Research &	Jerry Helser 1068	51 001	0001	0305

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OMENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Development				
Research & Development	Jerry Melzer 1115	51 001	0306	0607 01
Research & Development	Jerry Melzer 1174	51 001	0608	0910 01
Research & Development	Jerry Melzer 1363	51 001	0911	1362 01
Research & Development	Jerry Melzer 1517	51 001	1363	1885 01
Research & Development	Jerry Melzer 1569	51 001	1886	2340 01
Research & Development	Jerry Melzer 1857	51 001	2341	2689
Research & Development	G. Kalousik (sic) 943	51 002	0001	0305
Research & Development	G. Kalousik 1069	51 002	0306	0609
Research & Development	M. Armstrong 967	51 002	0610	0922
Research & Development	Notebook No. 1325 Name W.C. Taylor	51 002	0923	1227
Research & Development	1437	51 002	1228	1625

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OWENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Research & Development	Kayle Technology Granville	51 002	1626	1652
Research & Development	Kayle Technology Granville	51 002	1653	1674
Research & Development	Kayle Batch Formulation 17C-5C	51 002	1675	1735
Research & Development	Record 896	51 003	0001	0305
Research & Development	Record 941	51 003	0306	0612
Research & Development	Record 1010	51 003	0613	0922
Research & Development	Dana L. Bishop 1111	51 003	0923	1222
Research & Development	1389	51 003	1223	1648
Research & Development	1452	51 004	0001	0475
Research & Development	1475	51 004	0476	0929
Research & Development	1490	51 004	0930	1445
Research & Development	1512	51 004	1446	1884

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Research & Development	Unlabeled (batch formulations)	51 006	0001	0331
Roofing Division	Unlabeled (primarily contains correspondence relating to costs)	36 001	0001	0040
Roofing Division	Protective Products	36 001	0041	0134
Roofing Division	Unlabeled (primarily contains correspondence relating to protective products)	36 001	0135	0223
Roofing Division	Protective Coatings	36 001	0224	0265
Roofing Division	Unlabeled (Plastic Aluminum Specification)	36 001	0266	0415
Santa Clara	Maritime 32-MC-1-Insulation; Mineral Wool, Blanket Type	38 001	0001	0018
Santa Clara	Army Specification CE-300.01 Plumbing, General-Purpose	38 001	0019	0088
Santa Clara	Nonconducting Covering Spec. No. 301-1	38 001	0089	0116
Santa Clara	Army Corps of Engs. CE 301.1 (IMI) Excerpts from - Heating Systems; Steam, Coal fired	38 001	0117	0123
Santa Clara	Navy 32 T-1c - Tape, Insulating, Thermal	38 001	0124	0131
Santa Clara	Navy 17-W-1c Welding Sets, Electric, Direct Current Arc, Variable Voltage	38 001	0132	0173
Santa Clara	Dept. of Defense Manual - Part 1 - Alphabetical - Index of Specifications & Standards	38 001	0174	0322

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Santa Clara	Dept. of Defense Manual - Part II - Numerical - Index of Specifications & Standards	38 001	0323	0592
Santa Clara	Maritime Admin. Specification 32-MA Insulation: Mineral Fiber, Blanket Type (3-8 pounds per cubic foot)	38 001	0593	0629
Santa Clara	15-C-1J - Cables, Electric, Insulated (Shipboard Use)	38 001	0630	0922
Santa Clara	32-T-2 - Tape, Impregnated (Gasket Material for Heat Insulation) Navy	38 001	0923	0928
Santa Clara	Navy 32-1-2a Insulation, Blanket, Mineral Wool	38 001	0929	0936
Santa Clara	Maritime 32-MC-2 Insulation, Mineral Wool, Block Type for Use Below 225 degrees F	38 001	0937	0943
Santa Clara	Navy Specification 32-1-3 Insulation, Thermal, Block	38 001	0944	0953
Santa Clara	17-W-3 Welding Outfits, Electric, Spot (Shipboard use)	38 001	0954	0967
Santa Clara	Navy 17-R-4ab Resistors and Rheostats, Electric	38 001	0968	1035
Santa Clara	17-W-6 Welding Sets, Electric Arc, A-C, Transformer Portable (Shipboard use)	38 001	1036	1057
Santa Clara	17-G-7 (INT) Generators, Electric, Direct Current (Shipboard use)	38 001	1058	1122
Santa Clara	Navy 7Y: Roofing, Siding, Sheet Metal Work,	38 001	1123	1203

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
	Dampproofing, and Membrane Waterproofing			
Santa Clara	Navy 17-6-B (INT) Generators, Electric, Alternating Current (Shipboard use)	38 001	1204	1334
Santa Clara	Army Corps. of Engrs. GE-301.9 (INT) Air Conditioning System	38 001	1334.01	1369
Santa Clara	Navy 17-C-10b (INT) Controllers, Alternating Current (Shipboard use)	38 001	1370	1418
Santa Clara	Navy 17-M-10 (INT) Motors, Alternating Current (Shipboard use)	38 001	1419	1485
Santa Clara	17-M-10b - Motors, A-C Navy	38 001	1486	1551.02
Santa Clara	Navy 17-E-12b - Electrical Equipment, Explosion Proof	38 001	1552	1569
Santa Clara	Joint Army-Navy Spec. Jan-P-13 Plastic Materials, Laminated, Thermosetting Sheets and Plates	38 001	1570	1754
Santa Clara	Bureau of Ships Spec. 15-C-14 (Ships) Cables, Electrical (Reduced Diameter Type)	38 001	1755	1779
Santa Clara	Navy 65-C-14 Cooking Equipment, Electrical (Shipboard)	38 001	1780	1876
Santa Clara	Navy 17-M-14b Motor and Control Equip. DC (For Shipboard and Motorboat Int. Comb. Eng. Start)	38 001	1876.01	1927
Santa Clara	Air Force Manual AFM 88-15 Facility Design and Construction	38 001	1927.01	2161.01

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Santa Clara	Navy - Manual - Specification for Installation of Power Plant, Heating and Ventilating Apparatus and Piping	38 001	2161.02	2161 63
Santa Clara	Navy Dept. Yards and Decks No. 16Yc Refrig. Equipment	38 001	2162	2280
Santa Clara	Navy 17-C-17 (INT) Controllers, DC (Shipboard)	38 001	2281	2330
Santa Clara	Navy 17-M-17 (INT) Motors, DC (Shipboard)	38 001	2331	2395
Santa Clara	Navy 17-T-19a Transformers, Electric, Misc.	38 001	2396	2421
Santa Clara	Navy 17-T-20a Transformers, Electric; Single-Phase, 60 Cycles; and Balance Cells, Dry Type	38 001	2422	2460
Santa Clara	Joint Army-Navy Spec. Jan-T-27 Transformers and Inductors (Audio and Power) for Use in Electronic and Communication Equipment	38 001	2461	2492
Santa Clara	Military Specification Mil-T-27 Transformers and Inductors (Audio Power and Pulse)	38 001	2493	2518
Santa Clara	Navy 28-y-c Carpentry and Joinery	38 001	2519	2552
Santa Clara	28 Yd Navy Carpentry and Woodwork	38 001	2553	2580
Santa Clara	Mil Spec. CE-301. 37 Air Supply and Distribution System (Air Conditioning System)	38 001	2581	2730
Santa Clara	Navy 37-Y Steamheating and Ventilating System	38 001	2731	2745
Santa Clara	Dept. of Commerce CS-131-46 Industrial	38 001	2746	2835

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
	Mineral Wool - All Types - Testing and Reporting			
Santa Clara	Dept. of Commerce CS 105 48 Mineral Wool, Loose, Granulated or Felted form in Low Temperature insulations	38 001	2836	2865
Santa Clara	Federal Spec. UU-S-48b Sacks, Paper, Shipping	38 001	2866	3035
Santa Clara	49V Navy - Bureau of Yards and Docks	38 001	3036	3067
Santa Clara	Dept. of Commerce CAA50 Prefab Bldgs. - Type S	38 001	3068	3078
Santa Clara	Federal Spec. HH-M-61a Magnesia, Block, Cement and Pipe Covering	38 001	3079	3098
Santa Clara	Joint Army-Navy Spec. Jan-C-76 Cable (Hook up Wire), Electric, Insulated, Radio/Instrument	38 001	3099	3260
Santa Clara	Federal Spec. TT-P-97 Paint, Styrene - Butadiene and Styrene Acrylate Solvent Type (For Exterior Masonry)	38 001	3261	3274
Santa Clara	Federal Spec. W-R-101a, Ranges, Electrical, Cabinet Type	38 001	3275	3389
Santa Clara	CG-114-Title 46 - Shipping Inspection and Navigation - Coast Guard	38 001	3390	3401
Santa Clara	Federal Spec. SS-A-1186 Acoustical Prefab Units	38 001	3553	3608
Santa Clara	Federal Standard No. 00136 Flame Spread Properties of Materials	38 001	3609	3634

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Santa Clara	Federal Spec. HH-C-168 Cement, Insulation, Thermal, Mineral Wool	38 001	3635	3639
Santa Clara	Federal Spec. HH-F-185 Felt, Asbestos, Asphalt Saturated Uncoated, for Flashing, Roofing and Waterproofing	38 001	3640	3646
Santa Clara	General Services Administration - 216-1 - Public Buildings Service Interim Guide Specification	38 002	0001	0009
Santa Clara	ARMY CE-220.12 Roofing; Built-up, Asphalt and Tar	38 002	0010	0019
Santa Clara	Dept. of the Army CE-222.01 Roofing and Siding; Corrugated, Protected-steel	38 002	0020	0070
Santa Clara	Federal Specification HH-P-256 Phenolic Condensation Products - Laminated for Electrical Purposes	38 002	0071	0093
Santa Clara	Federal Specification SS-S-283 Sheets, Flat, Asbestos-Cement	38 002	0094	0108
Santa Clara	Corp. of Eng. Specs.	38 002	0109	0137
Santa Clara	Air Force Aeronautical Bulletin ANA - No. 302A Preservation and Packaging Card List for Aeronautical Spares; Form and Instruc. for.	38 002	0138	0155
Santa Clara	MEP - M-313	38 002	0156	0168
Santa Clara	Federal Specification HH-M-371a Mineral Wool, Impregnated, Blanket, Black & Pipe Covering (Wadded) (for Low Temperature)	38 002	0169	0179

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Santa Clara	Federal Specification SS-R-451	38 002	0180	0183
Santa Clara	Federal Specification HH-C-00466 Cloth, Glass (For Membrane Waterproof and Built up Roofing)	38 002	0184	0291
Santa Clara	Federal Spec. TT-C-00498a	38 002	0292	0299
Santa Clara	Federal Spec. SS-R-501D Roofing Felt, Asphalt Prepared, Smooth Surface	38 002	0300	0310
Santa Clara	Federal Specification HH-I-521c Federal Specification Slack Catalog - Loose Fill and Granular Insulation: Bldg. Min. Wool	38 002	0311	0409
Santa Clara	Federal Spec. HH-I-521D	38 002	0410	0490
Santa Clara	Federal Specification HH-I-525 Insulation, Board, Thermal, Mineral Wool	38 002	0491	0568
Santa Clara	Federal Spec. SS-C-540a	38 002	0569	0576
Santa Clara	Federal Specification HH-I-542 Insulation, Felt, Thermal, Mineral Wool - (for Low Temperatures)	38 002	0577	0587
Santa Clara	Federal Specification HH-I-00545 Insulation Felt, Thermal	38 002	0588	0649
Santa Clara	Federal Specification HH-I-561c Insulation, Thermal, Asbestos, Block and Pipe Covering (for Temperatures up to 750 Degrees)	38 002	0650	0659
Santa Clara	Federal Specification HH-I-562 Insulation, Thermal, Mineral Wool, Block or Pipe Covering insulation (Molded Type)	38 002	0660	0673

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Santa Clara	Federal Specification MH-1-563 Insulation, Mineral Wool, Blanket, Felt and Industrial Batts (for Heated Surfaces)	38 002	0674	0691
Santa Clara	Federal Specification MH-1-564 Insulation, Mineral Wool, Blanket & Board (for Heated Surfaces)	38 002	0692	0699
Santa Clara	Military Specification MIL-B-5924B Battling, Insulation, Glass Fibers	38 002	0700	0977
Santa Clara	Federal Specification MH-1-00573 Insulation, Thermal, Flexible Unicellular (Sheet & Pipe Covering)	38 002	0978	1035
Santa Clara	Department of Commerce CAA-574 Erection of Type 'W' Radio Facility Building and Incidental Construction	38 002	1036	1055
Santa Clara	Joint Army-Navy Specification Jan-W-583 Wire, Magnet	38 002	1056	1099
Santa Clara	Federal Spec. MH-R-590A Roofing Felt (Asbestos, Asphalt, etc.)	38 002	1100	1107
Santa Clara	Federal Specification SS-R-620a Roofing Felt, Glass Fiber, Asphalt Coated (for Flashing and Roofing)	38 002	1108	1131
Santa Clara	Federal Specification SS-R-00630C Roofing Felt (Roll, Asphalt, Prepared, Mineral Surfaced)	38 002	1132	1158
Santa Clara	Federal Specification CC-M-636 Motors, A-C, Fractional Horsepower, Single Phase and Universal	38 002	1159	1210

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OWENS-CORNING FIBERGLAS CORPORATION'S ASBESTOS DOCUMENTS
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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Santa Clara	Federal Specification CC-M-641 Motors, A-C, Integral Horsepower	38 002	1211	1269
Santa Clara	Federal Spec. SS-A-80694c Asphalt, Petroleum, etc.	38 002	1270	1277
Santa Clara	Department of Commerce CAA-765 Standard Airport Traffic Control Building and Cab	38 002	1278	1331
Santa Clara	Military Specification MIL-C-915 Cables, Electric - (Shipboard Use)	38 002	1332	1623
Santa Clara	Department of Commerce CAA-R-916 Crystal Unit, Quartz	38 002	1624	1677
Santa Clara	Military Specification MIL-E-917A Equipment, Electric Power, Basic Reqs for (Naval Shipboard Use)	38 002	1678	1691
Santa Clara	Department of Commerce 978 Commercial Standards Index	38 002	1692	1717
Santa Clara	Military Specification MIL-I-983 Interior Communication Equipment	38 002	1718	1791
Santa Clara	Federal Specification WH-I-1030 Insulation, Thermal (Mineral Fiber for Pneumatic or Poured Application)	38 002	1792	1879
Santa Clara	Federal Spec. TT-C-001079a	38 002	1880	1886
Santa Clara	Military Specification MIL-Std-129E Marking for Shipment and Storage	38 002	1887	2486
Santa Clara	Joint Army-Navy Spec. Jan-P-138 Packaging and Packing for Overseas Shipment Boxes,	38 002	2487	2523

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
	Wood, Fiberboard Lined			
Santa Clara	Federal Specification SS-C-160 Cements, Insulation, Thermal	38 002	2524	2548
Santa Clara	282 MIL-STD-282, May 28, 1956	38 002	2549	2617
Santa Clara	Federal Specification LLL-F-00321b Fiberboard: Insulating	38 002	2618	2635
Santa Clara	Federal Specification HH-P-387 Pipe Covering, Mineral Wool (Wooled Type) and Blanket Type for Heated Pipe	38 002	2636	2681
Santa Clara	Federal Specification L-P-406b Plastics, Organic: Gen Spec Test Methods	38 002	2681.01	3150
Santa Clara	Military Standard MIL-STD-414 Sampling Procedures and Tables for Insp. by Variables for % Defective	38 002	3151	3616
Santa Clara	Federal Specification HH-I-523A Insulation, Block, Pipe Covering and Cement, Thermal, Calcium Silicate (Up to 1200 Degrees F)	38 002	3617	3713
Santa Clara	Fed. Spec. HH-I-524a Insulation Board, Thermal (Polystyrene)	38 002	3714	3733
Santa Clara	Federal Specification HH-I-523c Insulation Block and Pipe Covering Thermal	38 002	3734	3759
Santa Clara	Federal Specification LLL-I-535 Insulation Board, Thermal and Insulation Block, Thermal	38 002	3760	3766
Santa Clara	Federal Specification HH-I-551a Insulation, Block and Pipe Covering, Thermal and	38 002	3767	3796

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
	Cellular Glass			
Santa Clara	Federal Specifications HH-1-00552 Insulation Pipe Covering, Thermal, and Insulation Blanket, Thermal, Pipe Covering	38 002	3797	3830
Santa Clara	Federal Specification HH-1-556 Insulation (Glass Fiber) Semi-Rigid	38 002	3831	3836
Santa Clara	HH-1-00558	38 002	3837	3989
Santa Clara	Federal Specification HH-1-567 Insulation; Pipe, Laminated - Felt	38 002	3990	3995
Santa Clara	Federal Specification HH-1-570 Insulation, Thermal, Asbestos felt, For Temps. Up to 1,000 Degrees F	38 002	3996	4015
Santa Clara	Federal Specification HH-1-578a Insulation, Vermiculite: Block and Pipe Covering (Molded)	38 002	4016	4029
Santa Clara	Federal Specification PPP-B-621 Packaging	38 002	4030	4259
Santa Clara	Military Specification - Clothes, Strands and Tape - Asbestos MIL-C-1207	38 003	0001	0012
Santa Clara	Military Specification - felt, Insulating, Mineral MIL-F-1228	38 003	0013	0024
Santa Clara	Military Specification - Circuit Breaker, Air, Electric MIL-C-1938	38 003	0025	0071
Santa Clara	Military Specification - Welding Sets, Electrical Arc, A-C Transformer Type, Portable MIL-W-1941	38 003	0072	0113

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Santa Clara	Military Specification - Ovens - Electrical, Industrial, Baking (Armature and Core) (for Naval Shipyard Use) MIL-D-2073	38 003	0143	0157
Santa Clara	U.S. Coast Guard, Incombustible Materials - Subpart 164.009	38 003	0158	0184
Santa Clara	U.S. Coast Guard 164.007 Structural Insulations for Merchant Vessel	38 003	0185	0192
Santa Clara	Federal Specification Insulation, Thermal (Mineral Fiber for Low Temperatures) HH-100559	38 003	0193	0221
Santa Clara	Air Force Specification Cable, Electric, Aircraft, High Temperature and Fire Resistant 32659	38 003	0222	0245
Santa Clara	Air Force Specification - Cable, Electric, High Voltage, Aircraft 32615	38 003	0246	0275
Santa Clara	Military Specification - Insulation, Felt, Thermal, Glass Fiber (for Temps. up to 1200 degrees F) MIL-I-16411	38 003	0276	0339
Santa Clara	Military Specification, Tape, Insulating, Thermal MIL-T-15349	38 003	0340	0355
Santa Clara	Military Specification - Insulation Sheet or Strip, Thermal, Asbestos felt MIL-I-15091A	38 003	0357	0365
Santa Clara	Military Specification - Railway Car, Kitchen, Troop/Hospital 56-1/2 inch Gauge, Eight Wheel, Domestic Service MIL-R-11249	38 003	0366	0392
Santa Clara	Military Specification Railway Car, Hospital Unit, 56-1/2 inch Gauge, 8 Wheel (Domestic	38 003	0393	0432

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Santa Clara	(Service) MIL-R-10770			
Santa Clara	Military Specification Electronic Standard & Nonstandard Parts, Materials and Processes in Signal Corps eq. MIL-E-10004A	38 003	0433	0460
Santa Clara	Military Specification Wire, Electrical, Copper and Constantan Thermo Couple MIL-W-5908B	38 003	0461	0479 19
Santa Clara	Military Specification Roofing Felt: in Rolls, Packaging of, MIL-R-3423A	38 003	0480	0489
Santa Clara	Generator and Charging Plant, Acetylene Gas Smitrailer - Mounted MIL-G-3110	38 003	0490	0511
Santa Clara	Military Specification Railway Car, Hospital Unit, 56-1/2 Gauge 12 Wheel MIL-R-3267	38 003	0512	0531
Santa Clara	Military Specification Insulation, Electric, Asbestos Fiber, Treated and Untreated MIL-I-3053	38 003	0532	0574
Santa Clara	Military Specification Insulation, Mineral Wool, Blanket MIL-I-2818	38 003	0575	0631
Santa Clara	Army-Corps. of Engrs. (Tentative) T-2446 Processing & Packaging for Overseas Shipment, Structures - General Specification for	38 003	0632	0658
Santa Clara	Military Specification Cables, Electric (Reduced Diameter Type) (Shipboard Use) MIL-C-2194	38 003	0659	0734 01
Santa Clara	Unlabeled (contains various MIL specs)	38 003	0734.02	1045

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Santa Clara	Military Specification Packaging Requirements Code MIL-STD-726	38 003	1045.01	2569
Santa Clara	Military Specification Insulation Pipe Covering, Thermal MIL-I-2781B	38 003	2570	2756
Santa Clara	Military Specification - Insulation Block, Thermal MIL-I-002819B	38 003	2757	2876
Santa Clara	Military Specification Inst Pipe Covering, Thermal, Fibrous Glass MIL-I-22346	38 003	2877	2939.01
Santa Clara	Military Specification MIL-I-24244 (Ships)	38 003	2940	3170
Santa Clara	Military Specification Inspection System Requirements MIL-I-45208A	38 003	3171	3182
Santa Clara	Navy - 32-P-8 Pipe Covering	38 003	3183	3223
Santa Clara	Navy Dept Specification Pipe Covering, Thermal Insulation 32-P-8d	38 003	3224	3225
Santa Clara	Navy 32-C-131 - Cloth, Strands & Tape, Asbestos	38 003	3226	3235
Santa Clara	Federal Specification SS-A-0018C	38 003	3236	3240
Santa Clara	Navy 21-Y-d Installation of Power Plant, Heating and Ventilating Apparatus & Piping	38 003	3241	3451.01
Santa Clara	17-I-29 Insulation, Electrical, Asbestos Fiber, Treated & Untreated Navy	38 003	3452	3468
Santa Clara	Department of Commerce Mineral Wool, Bkts, Blocks, Insulating Cement and Pipe Insul	38 003	3469	3498

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
	for Heated Industrial Equip.			
Santa Clara	Jetel Army-Navy Spec. Packaging and Packing for Overseas Shipment Materials, Waterproof, Flexible	38 003	3499	3556
Santa Clara	Federal Standard Marking for Domestic Shipment Fed. Std. 123	38 003	3557	3683
Supply and Contracting	1964	43 100	0001	0003
Supply and Contracting	OCF Orders from S. F. W36-/W37-/W38-	43 100	0004	0125
Supply and Contracting	OCF Orders from S. J. W35-	43 100	0126	0153
Supply and Contracting	Owens-Corning W73-	43 100	0154	0165
Supply and Contracting	Owens-Corning W75-	43 100	0166	0179
Supply and Contracting	Owens-Corning W70-	43 100	0180	0183
Supply and Contracting	Other Vendors from S. F. 11-	43 100	0184	0261
Supply and Contracting	Other Vendors from S. J. 12-	43 100	0262	0298
Supply and Contracting	1965	43 100	0299	

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Supply and Contracting	OCF Orders from Sf W38	43 100	0300	0361
Supply and Contracting	OCF Orders from Sf W35	43 100	0362	0404
Supply and Contracting	OCF W73 and W74 and W86	43 100	0405	0426
Supply and Contracting	W75 - W82 - W88	43 100	0427	0440
Supply and Contracting	Other Vendors S. F. 11-	43 100	0441	0532. 11
Supply and Contracting	Other Vendors S. J. 12-	43 100	0532. 12	0542
Supply and Contracting	1966	43 100	0543	
Supply and Contracting	S. F. Orders to Ocf W30-	43 100	0544	0687
Supply and Contracting	Other Vendors S. F. 11-	43 100	0688	0787
Supply and Contracting	Other Vendors S. J. 12-	43 100	0788	0844
Supply and Contracting	1967	43 100	0845	0846
Supply and Contracting	S. F. Orders to Ocf W-31	43 100	0847	0909

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Supply and Contracting	S. J. Orders to OCF W-35 - W24	43 100	0910	0945
Supply and Contracting	W74 and W35 (from W31 Orders)	43 100	0946	0965
Supply and Contracting	W26 (From W24 Orders)	43 100	0966	0985
Supply and Contracting	Other Vendors S. F. 11-	43 100	0986	1085
Supply and Contracting	Other Vendors S. J. 12-	43 100	1086	1142
Supply and Contracting	1968	43 100	1143	1144
Supply and Contracting	S. F. Orders to OCF W32	43 100	1145	1208
Supply and Contracting	S. J. Orders to OCF W24	43 100	1209	1248
Supply and Contracting	OCF W36	43 100	1249	1288
Supply and Contracting	San Francisco 11 - to Other Vendors	43 100	1289	1387
Supply and Contracting	San Jose 12 - to Other Vendors	43 100	1388	1440
Supply and Contracting	1969	43 100	1441	1442

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Supply and Contracting	S. F. Orders to OCF W33 and W34	43 100	1443	1504
Supply and Contracting	S. J. Orders to OCF W24 and W25	43 100	1505	1556
Supply and Contracting	From OCF W05 and W08	43 100	1557	1580
Supply and Contracting	San Francisco 11 - To Other Vendors	43 100	1581	1690
Supply and Contracting	San Jose 12 - To Other Vendors	43 100	1691	1743
Supply and Contracting	1970	43 100	1744	1747
Supply and Contracting	S. F. Orders to OCF W34	43 100	1748	1809
Supply and Contracting	S. J. Orders to OCF W24 and W25	43 100	1810	1856
Supply and Contracting	From OCF W08 W09	43 100	1857	1880
Supply and Contracting	San Francisco to Other Vendors 11-	43 100	1881	1990
Supply and Contracting	San Jose to Other Vendors 12-	43 100	1991	2042
Supply and Contracting	July 1, 1971	43 100	2043	2045

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Supply and Contracting	San Francisco L11	43 100	2046	2093
Supply and Contracting	Sacramento L21	43 100	2094	2169
Supply and Contracting	Power and Process L13	43 100	2170	2177
Supply and Contracting	Sacto - Old Orders	43 100	2178	2189
Supply and Contracting	CSA's	43 100	2190	2196
Supply and Contracting	1972	43 100	2193	2200
Supply and Contracting	San Francisco L11	43 100	2201	2249
Supply and Contracting	Sacramento L21	43 100	2250	2301
Supply and Contracting	Cold Stg. L22 and Tab Shop	43 100	2302	2325
Supply and Contracting	Power and Process L13	43 100	2326	2343
Supply and Contracting	C and A's	43 100	2344	2356
Supply and Contracting	1971	43 100	2357	2360

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Supply and Contracting	Orders to OCF	43 100	2361	2402
Supply and Contracting	Misc. from OCF	43 100	2403	2412
Supply and Contracting	Other Vendors - Orders	43 100	2413	2496
Supply and Contracting	Other Vendors D-13	43 100	2497	2513
Supply and Contracting	Unlabeled (H. K. Porter Purchase Orders)	43 101	0001	0483
Supply and Contracting	General foods - San Leandro Job 2335	43 101	0484	0691
Supply and Contracting	1963 Purchase Order Book; Owens Corning for S. F. (W30-); (W31-); (W36-); Owens Corning for S. J. (W35-); Owens Corning (73-); Owens Corning (W75-); Owens Corning (W85- and W82 and W83); Other Vendors - S. F. (11-); Other Vendors - S. J. (12-)	43 101	0782	1011
Supply and Contracting	1962 Purchase Order Book; Owens Corning; San Jose for OCF W35 (W35-210); Shaw Ins. OCF Order's W75-015; Plant Asbestos OCF W73-040; OCF W85 - Orders; S. F. - Other Vendors; San Jose Other Vendors; Extra Sheets	43 101	1012	1246
Supply and Contracting	Accidents OSHA	43 102	0001	0066
Supply and Contracting	OSHA Logs	43 102	0067	0071

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Supply and Contracting	OSHA Acc. Rpts	43 102	0072	0076
Supply and Contracting	OSHA Summary	43 102	0076 01	0092
Supply and Contracting	OSHA Policy	43 102	0093	0171
Supply and Contracting	Local 16 Insulators and Soc Sec #5	43 102	0171 01	
Supply and Contracting	Insulators and Asbestos Industry of M.C. Local #16 Health and Welfare Plan	43 102	0171 02	0345
Supply and Contracting	Health and Welfare Trustees 1966	43 102	0346	0413 01
Supply and Contracting	Health and Welfare Trustees 1967	43 102	0413 02	0501
Supply and Contracting	1969 Trustee Health and Welfare	43 102	0502	0559
Supply and Contracting	Trustee Health and Welfare 1971	43 102	0560	0613
Supply and Contracting	Asbestos Local No. 16 - Health and Welfare/ Vacation Trustees' Meeting - Dave Barnett July 26, 1972	43 102	0614	0629 01
Supply and Contracting	Trustees Health and Welfare 1972	43 102	0630	0709 03
Supply and Contracting	Hugh Taylor 4313-HS 3274 Little Oakland Little Science Alterations U.C., Berkeley #12, 804	43 103	0171	0298

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SOURCE	FILE TITLE	BOX #	FILE BEG PAGE	FILE END PAGE
Supply and Contracting	Monterey Mechanical 1373-H-5 8275 San Leandro, Oakland, CA/ Hayward Gym State Coll, Hayward 336,273	43 103	0299	0611
Supply and Contracting	Harry Lee Plumbing and Htg 4687-H 1327 Mo. Carolan, Burlingame, Calif./ Music Classroom Bldg. Hayward	43 103	0611. 01	1028
Supply and Contracting	University Mech. 1001-H6 510 Wood St. Oakland, Cal. Post Office Oakland 3196,600	43 103	1029	1389
Supply and Contracting	University Mechanical 1001 U.S. Post Office M T Material Tags	43 103	1390	1743
Supply and Contracting	University Mech 1603 10029 Deatittie Drive New Laney Oakland, CA 3216,681	43 103	1744	1988
Supply and Contracting	University Mech 1603 10029 Deatittie Drive New Laney Oakland, CA 3216,681	43 103	1989	2420
Supply and Contracting	Bigge-Gon'l Foods 2335; Bigge Gon'l Foods 2335 Material Req. Purchase Orders, Etc.; Gon'l Foods 2368 Gon'l Foods Tank 37,010; Gon'l Foods 2370 Gon'l Foods Misc. Work \$3,000 TAN; Bigge 2335 Take Off Gon'l Foods \$95,949	43 103	2421	3350 01
Supply and Contracting	Unlabeled (OCF Purchase Orders and related documents)	43 103	3351	3602
Supply and Contracting	Unlabeled (OCF Purchase Orders and related documents)	43 103	3603	3682
Supply and Contracting	Unlabeled (OCF Purchase Orders and related documents)	43 103	3683	3803
Supply and Contracting	Unlabeled (OCF Purchase Orders and related documents)	43 103	3804	3946

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Contracting	documents)			
Supply and Contracting	Unlabeled (Invoices, Purchase Orders, Order Acknowledgements)	43 104	0001	0862
Supply and Contracting	130 OCF 1973	43 104	0863	1001
Supply and Contracting	Unlabeled (Invoices, Purchase Orders, Order Acknowledgements)	43 104	1002	2494
Supply and Contracting	1962 Asbestos Workers H&W Funds	43 105	0001	0092
Supply and Contracting	1962 Marine Joiners H&W funds	43 105	0093	0106
Supply and Contracting	1963 Asbestos Workers - fringe Benefit	43 105	0107	0195
Supply and Contracting	1964 Asbestos Workers - Fringe Benefit	43 105	0196	0271
Supply and Contracting	1965 Marine Carpenters - Fringe Benefits	43 105	0272	0289
Supply and Contracting	1967 Asbestos Fringe Benefits Local #16	43 105	0290	0419
Supply and Contracting	1967 Marine Carpenters Fringe Benefits Local #149 Joiners Due by 15th mo.	43 105	0420	0458
Supply and Contracting	1972 Monthly Union Report Western States Asbestos Workers	43 105	0459	0578

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Supply and Contracting	Monthly Union Report 1972 Marine Carpenters	43 105	0729	0767
Supply and Contracting	Multiple job files, referencing sites primarily in Seattle, Washington, but other locations (principally Alaska, Idaho, Oregon, Indiana & Wisconsin) are also noted. An index of the files located in boxes 80 001 - 80 045 and 80 100 is available upon request.	80 000		
Unknown	Owens-Corning Fiberglas Corporation Retrospective 9/1/62 to 9/1/63	01 055	0001	0194
Unknown	Owens-Corning Fiberglas Corporation Retro 9/1/60 - 9/1/61	01 055	0195	0299
Unknown	Owens-Corning Retrospective 1959 to 1960	01 055	0300	0392
Unknown	Owens-Corning Fiberglas Corporation Retro-Adjustment 1958-1959	01 055	0393	0480
Unknown	Owens-Corning Fiberglas Corporation Retrospective Calculations 1957-1958	01 055	0481	0594
Unknown	Owens Corning Fiberglas Retro-Rating File 1956-1957	01 055	0595	0686
Unknown	Owens-Corning Fiberglas Corporation 1954-55 Year Retro-Adjustment First Computation	01 055	0687	0745
Unknown	Owens-Corning Fiberglas Corp. Retrospective Adjustment 9/1/53 to 9/1/54	01 055	0746	0798
Unknown	Owens-Corning Fiberglas Corporation Retrospective Adjustment 1955-1956	01 055	0799	0918

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Unknown	Fiberglas Engineering & Supply Co., Division of Owens Corning Fiberglas Corp. Retrospective Adjustments - 1956	01 055	0919	0974
Unknown	Owens Corning Fiberglas Retro Adjustment 1946 - 1952, 1953 Data	01 055	0975	1072
Unknown	Owens-Corning Fiberglas Corporation 8th Retrospective Calculation 1946-1952, 1955 Data	01 055	1073	1089
Unknown	Misc. 46-52	01 055	1090	1235
Unknown	Unlabeled (Retrospective adjustment - 1942 policy year)	01 055	1236	1291
Unknown	Owens Corning Fiberglas Corp. Retro. Adjustment 1943 Policy Year	01 055	1292	1358
Unknown	Owens Corning Fiberglas Corp. Retro. Adjustment 1944 Policy Year	01 055	1359	1445
Unknown	Owens Corning Fiberglas Corp. Retro. Adjustment 1945 Policy Year	01 055	1446	1500
Unknown	Owens Corning Fiberglas Corp. 1946-52 Retrospective Adjustment, 1st Adjustment	01 055	1501	1555
Unknown	Retro Agreements 1980-1942	01 055	1556	1722
Unknown	Unlabeled (computation of retrospective premiums; standard premiums - incurred losses)	01 055	1723	1830
Unknown	Excess Umbrella Policy - Lloyds of London, 10/1/60-61	01 055	1831	1943

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SOURCE	FILE TITLE	BOX #	FILE BEG. PAGE	FILE END PAGE
Unknown	Owens-Corning 9/1/63 to 9/1/64	01 055	1944	
Unknown	Umbrella Policy 10/1/61-62, DB61/382 Lloyd's Policy	01 055	1945	2042
Unknown	Unlabeled (contains insurer's reports of Worker's Compensation losses)	01 058	0001	0244
Unknown	Owens-Corning Fiberglas Corp. Retrospective Adjustments 9/1/65 to 9/1/66	01 058	0245	0574
Unknown	Owens-Corning Fiberglas Corp. Retrospective Adjustments 9/1/67 to 9/1/68	01 058	1291	2062
Unknown	Owens Corning, Retro. 9/1/61 to 9/1/62	01 082	0001	0129
Unknown	Unlabeled (contains insurer's claims status reports)	01 083	0001	2423
Unknown	Cancelled 7/25/63 6253	44 001	0001	0058
Unknown	Product Code Manual History File 10/30/58	44 001	0059	0375
Unknown	Unlabeled (misc. correspondence 1970-1971)	52 002	0001	0011

Footnotes
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Owens-Corning Fiberglas Corporation's Asbestos Documents

- 1 The precise source of some files could not be determined. Information provided in this column is provided merely as a guide;
- 2 In many instances where files are unlabeled, information has been provided parenthetically, generally describing the contents of the file; information in this column is also provided merely as a guide.
- 3 There are certain documents in OCF's files which, when requested, are copied with an overlay, indicating the documents contain confidential or trade secret information. This overlay is intended to protect confidential proprietary, medical or personnel-related information from being disseminated to any person not directly involved in asbestos litigation or for any purpose other than one relating to asbestos litigation. Examples of confidential medical information include (but is not limited to) those materials found in boxes 01082, 01083, and 42018-42024. Recipients of documents bearing a confidential overlay are deemed to consent to this limited dissemination of the documents and agree to notify OCF in writing before circulating such documents beyond the scope of this restriction.
- 4 Page ranges within a file may span numbers that were erroneously skipped during the original numbering process. In stamping the many thousands of pages contained in the library, from time to time, skips occur, and they may not be detected until after the numbering of each box is completed.

Skips occur principally for two reasons. One, they may result from a mechanical malfunction in the device used for numbering, or two, they may occur due to human error during the stamping process. An operator may, for example, re-ink the machine and, after testing the imprint on a separate pad, fail to reset it to the appropriate number before resuming the stamping. In these instances, resulting from what is generally referred to as a "misfire," there may be an indirect reference on the index to a number which is not in fact represented by a corresponding document.

For example, if within a 10-page file, a misfire occurred after the first page was stamped and the first page in the file was numbered 01, the second page, because of

the misfire, would be numbered 03 instead of 02, the third, 04, etc., until the 10th page was stamped with an 11. Accordingly, if this file was listed on the index, the 10-page file would have 01 as the beginning page number and 11 as the ending page number. In requesting a specific file then, although each nonprivileged document originally found in the file would be provided, there may be, occasionally, no documents for part of a given number range because there was never a document with that number.

Page numbers occasionally may also include a decimal (e.g. 1375.01). Such numbers are used to number pages that were erroneously bypassed during the original numbering.

AGREEMENT made this 9th day of May, 1958, with an effective date as of the close of business on April 30, 1958, between OWENS-ILLINOIS GLASS COMPANY, an Ohio corporation, hereinafter called "O-I," and OWENS-CORNING FIBERGLAS CORPORATION, a Delaware corporation, hereinafter called "OCF."

In consideration of the mutual promises herein contained, the parties agree as follows:

1. O-I hereby sells to OCF certain of the properties, hereinafter more particularly described, of the Kaylo Division of O-I on the following terms and conditions.

2. The term "Products" wherever it appears in this Agreement means hydrous calcium silicate products of the type heretofore manufactured by O-I at Berlin, New Jersey, and commonly referred to as "Kaylo." OCF hereby purchases the inventories of raw materials for the production of Products, Products in process of manufacture, finished Products in warehouse, and the manufacturing supplies and repair parts at the Kaylo plant at Berlin, New Jersey, all as of the close of business on April 30, 1958, for an aggregate consideration of \$633,661.41, which OCF agrees to pay in Toledo funds upon the execution of this Agreement.

3. OCF hereby purchases all trademarks relating exclusively to Kaylo owned by O-I, including trademarks set forth on the attached Schedule A, for an aggregate consideration of \$17,500.00, which OCF agrees to pay in Toledo funds upon the execution hereof.

4. OCF hereby purchases as of the close of business on April 30, 1958, the land, buildings, machinery and equipment, including

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facilities under construction, office furniture, fixtures and equipment and automotive equipment, all located at Berlin, New Jersey; equipment at other locations used solely for testing Products or research in connection therewith, for an aggregate consideration of \$3,600,000.00, which OCF agrees to pay in Toledo funds upon the execution hereof.

5. OCF hereby purchases all inventions, patents and patent applications, both domestic and foreign, owned by O-I at the close of business on April 30, 1958, defining Products, or processes or apparatus for the manufacture thereof, including but not limited to the patents and applications listed on the attached Schedule B, for an aggregate consideration of \$2,650,000.00, which OCF agrees to pay in Toledo funds upon the execution hereof.

6. O-I hereby assigns to OCF all of the executory contracts as of May 1, 1958, of the Kaylo Division, including those for the purchase or sale of goods, materials, equipment, supplies and capital assets, agreements with labor unions, consultant agreements and all other contracts having to do with the conduct of its business (excepting, however, accounts receivable arising from goods supplied, services rendered or other transactions prior to May 1, 1958) and OCF agrees to perform and discharge all executory obligations under such contracts (excepting, however, any obligation for goods supplied or services rendered prior to that date, these obligations remaining the responsibility of O-I and excepting the obligation, if any, of O-I to pay compensation to any salaried employee of its Kaylo Division by reason of the termination of his employment by O-I), and will save O-I harmless from any and all claims of any third person or persons for any breach, after assignment

thereof, of any agreement so assigned. O-I will save OCF harmless from any and all claims for any breach, prior to assignment thereof, of any agreement so assigned, and for the breach of all warranties and agreements relating to goods delivered prior to May 1, 1958.

7. O-I will permit OCF to have such access as OCF may desire to the books, records, contracts, orders, files and properties of the Kaylo Division, and as promptly as practicable O-I will deliver to OCF all books, records, contracts, orders and files of the Kaylo Division, except such as O-I desires to retain, and as to these, O-I will make and deliver to OCF copies of any OCF desires.

8. O-I will turn over to OCF as promptly as practicable the files and records relating to all domestic and foreign patents, applications and inventions transferred to OCF. O-I will cooperate in making available other pertinent files and records, and O-I will cooperate in assisting OCF to prosecute pending applications and to file and prosecute additional applications on inventions transferred as OCF may elect.

9. O-I will deliver to OCF as promptly as practicable all deeds, bills of sale, assignments, and any other documents that are necessary or advisable to carry out the purposes of this Agreement. All titles to be conveyed by O-I hereunder shall be free, clear and unencumbered, except for the lien of taxes and assessments not due and payable on May 1, 1958, and except for defects in title to real estate which do not and will not substantially interfere with the use of real estate for the purpose for which it is presently used, and transfers thereof shall be made by deeds and bills of sale of general warranty, accompanied by appropriate abstract, report of title or title insurance policy showing

real estate titles to be good and merchantable in O-I, free, clear and unencumbered except as aforesaid. O-I makes no representation or warranty whatsoever, except as to title, as to personal property sold to OCF, nor as to the validity or scope of any patent or patent application, nor as to the rights OCF will acquire under any trademark or trade name. All documents contemplated hereby and all necessary corporate action shall be subject to the reasonable approval of respective counsel. O-I and OCF will each pay its own expenses in connection with the transaction herein contemplated.

10. The possession, use and disposition by O-I of the assets sold to OCF from the close of business on April 30, 1958, until the consummation of the sale herein contemplated shall be at the risk, and for the account, of OCF; O-I will account to OCF for any excess of its receipts therefrom over its disbursements in connection therewith or OCF will reimburse O-I for any excess of such disbursements over such receipts, as the case may be, as promptly as the balance can be determined.

11. Any controversy or dispute arising out of this Agreement shall be settled by arbitration conducted in accordance with the rules, in effect at the time the controversy or dispute arises, of the American Arbitration Association.

12. This Agreement shall be governed and construed in accordance with the laws of the State of Ohio applicable to contracts made and to be performed in the State of Ohio.

13. The several rights and obligations hereunder shall extend to and be binding on O-I, OCF and their respective successors and

assigns, but no third person, except for such successors and assigns, shall have or acquire any right hereunder.

IN WITNESS WHEREOF, the parties have executed this Agreement and affixed their corporate seals by their duly authorized officers on the day and year first above written.

OWENS-ILLINOIS GLASS COMPANY

By CR Megowan
President

ATTEST

Charles J. Zahbs
Secretary

OWENS-CORNING FIBERGLAS CORPORATION

By H. R. Linkle
Financial Vice President

ATTEST

Carl E. Stealin
Secretary

SCHEDULE A

LIST OF TRADE-MARKS

<u>Trade-Mark:</u>	<u>United States Registration No.</u>	<u>Date</u>
Keylo	422,785	6/18/26
Keylo	563,443	8/26/32
Keylo 20	639,220	1/ 1/37

<u>Trade-Mark:</u>	<u>Foreign Registration No.</u>	<u>Date</u>
Keylo	Great Britain 750,867	12/31/35
Keylo	Great Britain 750,868	12/31/35

SCHEDULE B

KAYLO PATENTS AND PATENT APPLICATIONS

1. United States Patents

<u>Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
2,425,610	Finley	8-12-47
2,439,724	Finley	4-13-48
RE.23,223	Fraser	5-9-50
2,534,303	Serina	12-19-50
2,540,354	Selden	2-6-51
2,547,127	Kalousch	4-3-51
2,570,835	Mooney, et al	10-9-51
2,574,667	Shuman	11-13-51
2,665,556	Kalousch	1-12-54
2,748,008	Kalousch	5-29-56
2,787,345	Soubier, et al	4-2-57
2,788,304	Giovronak	4-9-57

2. Pending United States Applications

<u>Serial No.</u>	<u>Inventor</u>	<u>Filing Date</u>
679,092	Kalousch	8-19-57
691,543	Bishop	10-22-57
697,645	Soubier	3-29-55
701,705	Taylor	4-15-55
704,310	Randall	4-27-55
715,447	Soubier	6-14-55
716,580	Shuman	6-23-55
722,014	Pie	7-14-55
723,727	Shuman	7-22-55
726,870	Kalousch	8-8-55
728,717	Fraser	8-16-55
738,937	Randall	10-6-55
753,764	Fraser	12-19-55
760,403	Simpson	1-20-56
760,795	Taylor	11-7-56
764,053	Taylor	11-23-56
732,012	Kalousch	1-2-57
743,261	Soubier	3-1-57
755,772	Taylor	12-30-57
752,112	Donny	4-11-57
702,061	Murtart	12-11-57
692,809	Shuman	10-28-57
723,794	Shuman	3-25-58
345,066	Zink, et al	3-27-53

3. Foreign Patents and Applications

	<u>Serial No.</u>	<u>Filing Date</u>	<u>Patent No.</u>	<u>Issue Date</u>
(a) Australia:			163,619	7-3-53
(b) Belgium:			485,593	11-13-48
			522,337	8-25-53
			531,912	9-17-54
			531,857	9-15-54
			531,591	9-2-54
			500,261	12-25-50
			479,612	1-14-48
(c) Canada:			502,677	5-18-51
			540,321	4-30-57
	669,588	7-12-54		
	[669,580	7-12-54]		
Patent	554,976	3-25-58	540,322	4-30-57
			499,208	1-12-54
			488,579	12-2-52
(d) France:			974,332	10-26-48
			1,081,310	7-13-53
			1,112,408	9-14-54
			1,112,390	11-16-55
			1,111,210	8-31-54
			1,026,967	2-1-53
			959,797	1-9-48
(e) Germany:			897,825	8-18-53
	3054 IIB/121	6-10-53		
			1,005,435	9-7-54
			1,012,857	11-12-57
	3700 IIB/121	8-24-54		
(f) Great Britain:			698,427	10-5-48
			702,145	6-29-53
			769,030	8-30-54
			775,542	3-15-57
			767,761	8-20-54
			702,057	10-18-50
			646,630	11-29-50
(g) Holland:			86,222	8-16-57
	190,596	9-4-54		
			82,230	6-16-56
	130,263	8-24-54		

	<u>Serial. No.</u>	<u>Filing Date</u>	<u>Patent No.</u>	<u>Issue Date</u>
(b) Italy:			531,556	8-31-56
			543,519	8-30-56
			533,115	8-24-56
(1) Sweden:	6177/53	6-30-53		
	7821/54	8-28-54		
	7775/54	8-27-54		
			160,529	7-11-57

OWENS-ILLINOIS
GENERAL OFFICES ① TOLEDO 1, OHIO

May 9, 1958

Owens-Corning Fiberglas Corporation
P. O. Box 901
Toledo 1, Ohio

Gentlemen:

We have this day sold to you certain of the properties of our Kaylo Division as of the close of business April 30, 1958. This letter summarizes the procedure that will be followed with regard to the employees of the Kaylo Division.

You agree to assume any obligations which we may have with regard to payment of vacation pay to any hourly employees of the Kaylo Division who become your employees, and we will reimburse you in an amount equal to the amount properly accrued, as of May 1, 1958, on our books in accordance with our regular accounting practice for vacation pay for such employees.

With reference to such of our personnel as become your employees, you and we will cooperate in an effort to secure the transfer to the trust under your retirement plan, for the benefit of such employees, in accordance with the provisions of our retirement plans and to the extent permissible thereunder, of the funds held for the benefit of such employees in the trusts under our plans, without affecting, however, the present qualification under the provisions of the Internal Revenue Code of 1954 of all such retirement plans and the tax exempt status of the trusts thereunder and without providing any benefits under your retirement plan other than such as are available to your

present employees similarly situated, and provided, however, that there shall be no transfer of funds hereunder as to any of such personnel who shall not qualify under your retirement plan.

The agreements made above shall extend to and be binding upon each of us and our respective successors and assigns, but no third person, except for such successors and assigns, shall have or acquire any right to enforce these agreements against either of us.

If this proposal meets with your approval, please note your acceptance on the form provided at the end hereof and on the duplicate original enclosed herewith, and return the duplicate original to us.

Yours very truly,

OWENS-ILLINOIS GLASS COMPANY

By CR McGowan

Accepted: May 9, 1958

OWENS-CORNING FIBERGLAS CORPORATION

By J. H. Kunkle

H. R. WINKLE
Financial Vice-President

May 9, 1938

Owens-Illinois Glass Company
Toledo, Ohio

Gentlemen:

In connection with the sale by you to us today, as of the close of business on April 30, 1938, of certain of the assets and properties of your Keylo Division and in consideration of your possession, use and disposition of such assets and your operation of such properties for our account for the period from the close of business on April 30, 1938, to the consummation of such sale, we hereby agree to indemnify you against, and save you harmless from, any and all federal, state or local taxes, including taxes on income, and including any and all penalties and interest on any such taxes, which may be levied or assessed against you by reason of your possession, use or disposition of such assets or your operation of such properties during such period.

Yours very truly,

OWENS-CORNING FIBERGLAS CORPORATION

By H. R. Winkle

H. R. Winkle
Financial Vice President

HW/ent

May 7, 1958

The Toledo Trust Company
245 Summit Street
Toledo, Ohio

Attention: Mr. Howard Aumond

Re: Owens-Illinois Service Retirement Trust
Owens-Illinois Contributory Retirement Trust

Gentlemen:

Owens-Illinois Glass Company has today sold to Owens-Corning Fiberglas Corporation certain of the properties of the Kaylo Division of Owens-Illinois; both parties contemplate that the employment of substantially all of the personnel of that Division, including those who are participants under the Owens-Illinois Service Retirement Plan and Owens-Illinois Contributory Retirement Plan, will be transferred from Owens-Illinois to Owens-Corning.

In connection with such transfer of employment, Owens-Illinois and Owens-Corning have agreed as follows:

With reference to such of our personnel as become your employees, you and we will cooperate in an effort to secure the transfer to the trust under your retirement plan, for the benefit of such employees, in accordance with the provisions of our retirement plans and to the extent permissible thereunder, of the funds held for the benefit of such employees in the trusts under our plans, without affecting, however, the present qualification under the provisions of the Internal Revenue Code of 1954 of all such retirement plans and the tax exempt status of the trusts thereunder and without providing any benefits under your retirement plan other than such as are available to your present employees similarly situated, and provided, however, that there shall be no transfer of funds hereunder as to any of such personnel who shall not qualify under your retirement plan.

We now notify you that we intend to carry out such agreement in accordance with the provisions of Article III, Section 7, of the Owens-Illinois Service Retirement Trust Agreement and Article III, Section 8, of the Owens-Illinois Contributory Retirement Trust Agreement.

Yours very truly,

OWENS-ILLINOIS GLASS COMPANY

By C. R. McGowan

OWENS-CORNING FIBERGLAS CORPORATION

By H. A. Winkler

AGREEMENT

This Agreement made this 15th day of April, 1970, by and between OWENS-CORNING FIBERGLAS CORPORATION, a Delaware corporation ("Buyer"), and UNARCO INDUSTRIES, INC., an Illinois corporation ("Seller");

WITNESSETH:

Seller operates its Chembest Division in Bloomington, Illinois which Division manufactures and sells a variety of products including urethane foam, Unarco-board, and asbestos products, and Buyer desires to purchase and Seller desires to sell all of the tangible and intangible properties and assets employed in Seller's Chembest Division except as herein expressly provided and except for those of such properties and assets employed solely in the manufacture and sale of asbestos products (the portion of the Chembest Division which manufactures and sells asbestos products is herein sometimes called the "Asbestos Department" and the remainder of the operations of the Chembest Division is herein sometimes called the "OCF-Chembest Division").

NOW, THEREFORE, in consideration of the mutual covenants and agreements herein contained, the parties hereto mutually covenant and agree as follows:

1. (a) The Schedules, numbered 1 through 8, hereinafter described have been signed for identification purposes by a duly authorized officer of each party and each of such Schedules is hereby included herein by reference and made a part hereof except for Schedules 4 and 5 which will be prepared after the date hereof and will be signed for identification purposes by a duly authorized officer of each party at the time they are prepared in definitive form.



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(b) On the terms and subject to the conditions herein expressed Seller hereby sells, conveys, transfers, assigns, sets over and delivers to Buyer and Buyer hereby purchases and accepts delivery of the following assets:

(i) All of the tangible assets and properties, including all operating equipment, fixtures, office equipment, and properties used in or relating to the operation of the OCF-Chembest Division ("Equipment") including all those described in Schedule 1 entitled "Equipment."

(ii) All of the intangible assets and properties, including, if any, all copyrights, trademarks (except the trademark "Unarcoboard"), trade names, licenses, contracts, patents, patent applications, inventions, discoveries and improvements, shop rights, processes and formulae, trade secrets, proprietary and technical information and know-how, used in or relating to the operation of the OCF-Chembest Division (including all those described in Schedule 2 entitled "Intangibles").

(iii) The leasehold estate created by the lease ("Lease") described in Schedule 3 entitled "Lease of plant site of Chembest Division in Bloomington, Illinois" and all buildings and other improvements located on the real estate ("Real Estate") which is subject to the Lease described in Schedule 1 or Schedule 3.

(iv) All business, manufacturing, sales and other records directly relating to the OCF-Chembest Division including all books and records listed in Schedule 2.

(v) All of the inventories of raw materials, work in process and finished goods of Seller as of the date hereof for use in or used in or produced in the operations of the OCF-Chembest Division ("Inventories").

(vi) Any and all other assets and business utilized in connection with the operation of the business of the OCF-Chembest Division.

(c) On the terms and subject to the conditions herein expressed Seller will, at the time of delivery of Schedule 4 entitled "Accounts and prepaid items of the OCF-Chembest Division" to Buyer as provided in paragraph 5(a) hereof, sell, convey, transfer, assign, set over and deliver to Buyer the accounts receivable of the OCF-Chembest Division as of the close of business on the date hereof (the "Accounts") and the prepaid items of the OCF-Chembest Division as of the close of business on the date hereof, which will be described in Schedule 4 and Seller will, at that time, execute and deliver to Buyer such instruments as may be required to effect such sale, conveyance, transfer, assignment and delivery to Buyer;

(d) All of the assets being and to be sold to Buyer pursuant to paragraphs 1(b) and 1(c) above are herein sometimes collectively called the "Acquired Assets."

(e) It is understood and agreed that the Acquired Assets shall not include cash on hand and in banks and any assets of Seller used exclusively in the operations of the Asbestos Department or the Federal Stainless Sink Division of UNARCO ("Sink Division").

2. Based upon the representations and warranties of the Seller contained herein and on the terms and subject to the conditions herein expressed and in full consideration for the sale, conveyance, transfer, assignment and delivery to Buyer of the Acquired Assets and of any other rights of Seller pursuant to the terms hereof:

(a) Buyer has delivered to Seller, and Seller acknowledges receipt of, a deposit to Seller's account of \$938,000 in such Bank as Seller has designated.

(b) Buyer shall deposit to Seller's bank account, within 5 days after the date of the delivery of Schedule 4 and assignment of the Accounts to Buyer as provided in paragraph 5(a), an aggregate amount equal to the lesser of (i) \$162,000 or (ii) the aggregate face amount of the Accounts plus the amount of the prepaid items as set forth on Schedule 4, said deposit to be made in such bank as has been designated by Seller.

(c) Buyer shall deliver to Seller, within 30 days after the Removal Date (as defined in paragraph 5(c) hereof), its certified or a cashier's check or checks in the aggregate amount of \$250,000, which amount shall be adjusted, if necessary, as required by paragraph 4 hereof. If the reduction in the purchase price is in excess of \$250,000 Seller shall, no later than May 31, 1970, deliver to Buyer its certified or cashier's check or checks in the amount of such excess.

3. (a) Seller hereby assigns to Buyer, and Buyer hereby assumes and agrees to perform all of the obligations arising after the date hereof under the presently outstanding leases, contracts and commitments of Seller relating to the operations of the OCF-Chembest Division described in Schedules 2 and 3 and in Schedule 6 entitled "Commitments of OCF-Chembest Division," and Buyer will indemnify and hold harmless Seller against any and all losses, liabilities, claims, damages and expenses (including reasonable attorneys' fees) incurred or suffered by Seller resulting from Buyer's failure to perform any of such obligations in accordance with the terms of such leases, contracts and commitments. In each case where any of such contractual rights of Seller are not assignable by Seller to Buyer without the consent of the other contracting party Seller has obtained the written consent of such other contracting party to the assignment of such rights to Buyer and Seller has herewith delivered such consents to Buyer.

(b) Anything in the Agreement to the contrary notwithstanding, Buyer does not hereby and shall not assume any liability or

obligation of any kind or nature of the Seller except as expressly provided in paragraph 3(a). All payments made either before or after the date hereof which relate to the operations of the OCF-Chembest Division by Seller up to the date hereof and by Buyer after the date hereof shall be prorated between Buyer and Seller as of the close of business on the date hereof.

4. The regular employees of the OCF-Chembest Division will take the inventory of the OCF-Chembest Division as of the close of business on the date hereof and they will prepare and deliver to Buyer and Seller as promptly as possible after the date hereof a schedule of the Inventory (Schedule 5 entitled "Inventory of the OCF-Chembest Division"). Schedule 5 shall set forth in reasonable detail the quantities of each class of Inventory and the values thereof at the lower of cost or market (including costs of labor actually expended and costs of overhead) determined in accordance with accounting principles applied on a basis consistent with those applied in the preparation of audited financial reports of Seller. Such accounting principles shall be applied only if they are generally accepted accounting principles. Both Buyer and Seller shall have the right to have representatives present at the taking of such inventory and Arthur Andersen & Co. shall be requested to be present at the taking of such inventory. Arthur Andersen & Co., together with such representatives of Buyer and Seller, shall have access to all requisite accounting and other records and physical facilities requested by them in connection with the taking of the inventory and review of Schedule 5. In the event Buyer and Seller shall disagree with respect to any matter set forth on Schedule 5 they shall within 30 days after the delivery of such Schedule 5 to them as hereinabove provided notify Arthur Andersen & Co. of the details of such disagreement, and the determination by Arthur Andersen & Co. of all such matters in dispute shall be final and binding on both Buyer and Seller and such changes as may be required because of such final determination shall be made to Schedule 5. Buyer and Seller shall each pay one-half the fees and expenses of Arthur Andersen & Co. incurred under this paragraph 4. In the event the aggregate value (as so determined) of the Inventory shall be less than \$449,000, the payment to be made by Buyer to Seller pursuant to paragraph 2(b) hereof shall be reduced by an amount equal to the excess of \$449,000 over such aggregate value of the Inventory.

5. (a) Seller will deliver to Buyer within 5 days after the date hereof Schedule 4, together with the instruments of assignment referred to in paragraph 1(c) above, and Seller hereby warrants and represents to and covenants with Buyer, its successors and assigns, that all of the Accounts arose in the ordinary course of business of the OCF-Chembest Division and that Schedule 4 will correctly identify each Account by the name of the Account debtor, will set forth the date each Account arose, and will list accurately the amount due Seller as of the close of business on the date hereof on each such Account. Seller guarantees that the amount due on each of the Accounts as listed on Schedule 4 will be fully paid to Buyer on or before March 31, 1971. Buyer may, on April 1, 1971, or on such earlier date or dates as Seller may allow, reassign and deliver to Seller all or any portion of the Accounts then remaining unpaid and Seller shall on the date of such reassignment pay to Buyer by its certified or a cashier's check or checks the aggregate amount then remaining unpaid on the Accounts so reassigned to Seller.

In the event any amount is received by Seller after the date hereof from any of the debtors on any of the Accounts, Seller shall promptly pay over to Buyer such amount so received until the total amount due on such Account is fully paid.

(b) Seller warrants and represents to and covenants with Buyer that it has not produced since ^{April 15} ~~March 31~~, 1970, and will not produce after the date hereof asbestos products on the Real Estate, that it has removed all asbestos, asbestos products and asbestos residue from the Real Estate and Seller has deactivated and prepared all of the tangible personal properties used in the operations of the Asbestos Department, and not included in the Acquired Assets, for removal from said Real Estate. Seller agrees to remove all of such tangible personal properties from the Real Estate as promptly as possible, but in no event later than May 31, 1970.

(c) Seller agrees that the operations of the Sink Division on the Real Estate will be confined to the area of such Real Estate now occupied by the Sink Division as shown on Schedule 8 entitled "Plant Diagram", that the operations of the Sink Division on the Real Estate will be stopped as soon as practical after the date hereof and that all of the properties and assets used in such operations, and not included in the Acquired Assets, will be removed from the Real Estate as promptly as possible thereafter, but not later than March 31, 1971. The date on which all of such properties and assets are so removed and the space now occupied by the operations of the Sink Division is available and in condition for the exclusive occupancy and use by Buyer is herein sometimes called the "Removal Date." Seller agrees that from and after the date hereof all inventories and other assets for use in or used in the operations of the Sink Division will be confined to the area now occupied by the Sink Division referred to above.

6. The Seller warrants and represents to and covenants with Buyer, its successors and assigns that:

(a) Seller is a corporation duly organized, validly existing and in good standing under the laws of the State of Illinois, and has the right, power and all required licenses to own and operate the properties used in and to carry on the business of the OCF-Chembest Division.

(b) Seller has good and marketable title to all of the Acquired Assets subject to no mortgages, pledges, liens, encumbrances or other charges of any kind and has the right and power to transfer such Acquired Assets to Buyer pursuant hereto subject to no mortgages, pledges, liens, encumbrances or other charges of any kind, except such as may have been created by Buyer.

(c) There is no litigation at law or in equity, and no proceedings before any commission or other administrative or regulatory authority,

pending, or to the knowledge of Seller threatened, against or affecting the Acquired Assets or the business or property of the OCF-Chembest Division or its right to carry on the business of the OCF-Chembest Division as conducted on the date hereof or its right to consummate this Agreement.

(d) Since December 31, 1969 Seller has operated the OCF-Chembest Division in the ordinary and usual course, no material adverse change has occurred in the business of the OCF-Chembest Division and Seller has used its best efforts to preserve the good will and that of the suppliers and customers of the OCF-Chembest Division and others having business relationships with it. Seller will be responsible for the payment of all salaries and wages, providing all employee benefits, making appropriate deductions and payments with regard to all Federal and State income tax withholding requirements and other similar items with respect to all employees of the Chembest Division and the Sink Division up to the close of business on the date hereof and with respect to all employees of the Sink Division and of the Chembest Division employed in the Asbestos Department after the close of business on the date hereof, it being agreed by Buyer and Seller that Seller's responsibility shall cease as of the close of business on the date hereof only for those employees listed on Schedule 7 entitled "Employees of the OCF-Chembest Division."

(e) Seller has used its best efforts to keep available to Buyer, and Seller will cooperate with Buyer after the date hereof to retain for Buyer the services of the present employees of Seller employed in the OCF-Chembest Division and listed on Schedule 7.

(f) Seller is not in any default under or in any breach of the terms or conditions of any contract, agreement, commitment or arrangement to which it is a party which is disclosed on Schedules 2, 3 or 6 or which affects the Acquired Assets whether or not disclosed on said Schedules.

(g) The Equipment listed on Schedule 1 is a true and accurate description of all the physical personal properties and assets used in the operations of the OCF-Chcmbest Division, except for the Inventories, and there is no material asset or property used or required by Seller in the conduct of the business of the OCF-Chcmbest Division which is not either owned by it and listed on one of the Schedules or leased to it under one of the leases listed on one of the Schedules, and all of such assets and properties are in good and normal operating condition and repair, normal wear and tear excepted and except for the high pressure boiler in the heating system listed under item 26 on the list of Leasehold Improvements on Schedule 1.

(h) The execution and delivery of this Agreement and the consummation of the transactions contemplated hereby do not conflict with or result in a breach of any of the terms, provisions or conditions of the Articles of Incorporation or By-laws of Seller or any statute, regulation or court or administrative order or process, or any agreement or instrument to which Seller is a party or by which it is bound or constitute a default thereunder. The business of the OCF-Chcmbest Division is not conducted in any material violation of any law, ordinance or regulation of any governmental entity.

(i) Seller will pay all costs and expenses (including, without limitation, its attorneys' and accounting fees, Federal documentary stamps, and transfer, use and sales taxes) incurred in connection with this Agreement and the transactions contemplated herein including, without limitation, the transfer of the Acquired Assets to Buyer.

(j) To the knowledge of Seller none of the buildings, structures and improvements located on the Real Estate encroach on adjoining real estate, and all such buildings, structures and improvements are located and constructed in conformity with all "setback" lines, easements or other restrictions or rights of record or that have been established by an applicable zoning or building

ordinance, and there are no encroachments upon the Real Estate by buildings, structures or improvements located upon adjoining real estate or any easements, restrictions or rights of record which interfere with the use of the Real Estate.

(k) The improvements located on the Real Estate are not the subject of any official complaint or notice of violation of any applicable zoning ordinance or building code and no such violation is known to exist and there is no zoning ordinance or building code or use or occupancy restriction or condemnation proceedings pending or to the knowledge of Seller threatened, which would preclude or impair the use of such Real Estate or the improvements thereon by Seller or Buyer, as the case may be, for the purpose for which they are presently used.

(l) Seller has taken all requisite corporate action to authorize and approve this Agreement and the transfer of the Acquired Assets to Buyer as contemplated in this Agreement, and Seller has full power, right and authority to make this Agreement and to transfer the Acquired Assets as provided herein.

(m) Seller is the only party in possession, or with a right to possession, of the Real Estate and Equipment, and the contracts and agreements being assigned to Buyer pursuant hereto are in full force and effect and binding on the parties thereto and Seller has complied with all obligations imposed upon it thereunder. The Lease is in full force and effect and Seller has obtained a decree of the Court of McClean County, Illinois permitting transfer of the Lease and all the rights thereunder to Buyer.

(n) A true and complete schedule setting forth all copyrights, trademarks, trade names, licenses, contracts, patents, and patent applications, and setting forth the identification and location of all books and records containing all inventions, discoveries and improvements, shop rights, processes and formulas.

trade secrets, proprietary and technical information and know-how used in or relating to the operation of the OCF-Chembest Division is contained in Schedule 2. No licenses, sublicenses, covenants or agreements have been granted or entered into by Seller in respect of any copyrights, trademarks, trade names, licenses, contracts, patents, patent applications, inventions, discoveries or improvements, shop rights, processes or formulae, trade secrets, proprietary or technical information or know-how used in or relating to the operation of the OCF-Chembest Division; Seller has the right to use without payment of any separate royalty, fee or charge therefor all thereof; and they are all free and clear of all liens and encumbrances of every nature and are not currently being challenged in any way and are not involved in any pending or threatened or interference proceedings. The operations of the OCF-Chembest Division, the manufacture, use and sale by it of its products, the use by it of its machinery, equipment and processes, the use of its products by its customers for the purpose for which sold, and the use of the patents, trademarks, trade names, brand names, inventions, applications, licenses and advertising, technical or other literature of the OCF-Chembest Division do not involve infringement or claimed infringement of any proprietary right, patent, trademark, trade name or copyright of others.

(c) Upon request of Buyer at any time or times following the date hereof Seller will forthwith execute and deliver such further instruments of assignment, transfer, conveyance, endorsement, direction or authorization as Buyer or its counsel may reasonably request in order to perfect the title of Buyer, its successors and assigns, in and to the Acquired Assets provided to be transferred by Seller to Buyer hereunder.

7. Buyer has been furnished with an opinion satisfactory to it and its counsel of Sonnenschein, Levinson, Carlin, Nath & Rosenthal, dated the date of this Agreement, and addressed to the Buyer, to the effect that:

(a) Seller is a corporation duly organized and validly existing and in good standing under the laws of the State of Illinois;

(b) the execution and delivery of this Agreement has been duly authorized and this Agreement has been duly executed and delivered by Seller and is binding upon Seller in accordance with its terms.

(c) the Seller has power to sell, convey, transfer and deliver the Acquired Assets and to do so does not require any action by the Seller's stockholders and does not violate the provisions of the Seller's Certificate of Incorporation or By-Laws, or the provisions of any note of which the Seller is the maker, or of any indenture, agreement or other instrument to which the Seller is a party;

(d) the Lease is in full force and effect and may be assigned to Buyer and when assigned to Buyer will vest in Buyer all rights vested in Seller prior to transfer to Buyer; and

(e) the instruments executed and delivered to transfer the assets and properties transferred pursuant to this Agreement are valid in accordance with their terms and effectively vest title to the Acquired Assets in Buyer free and clear of any liabilities, obligations, liens and encumbrances.

8. (a) Seller agrees to indemnify and hold harmless Buyer against any and all losses, liabilities, claims, damages and expenses (including reasonable attorneys fees) incurred or suffered by Buyer in respect of the liabilities and obligations of the Seller not assumed by Buyer pursuant to this Agreement, and in respect of the failure of the Seller to perform the obligations undertaken by it pursuant to this Agreement.

(b) Without limiting the generality of the foregoing, Seller agrees to indemnify and hold harmless the Buyer from and against any and all

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losses, liabilities, claims, damages and expenses (including reasonable attorneys' fees) incurred or suffered by Buyer resulting from (i) any inaccuracy in or breach of any of the representations, warranties or covenants made by Seller herein, (ii) any operations of the Chembest Division on or prior to the date hereof and any operations of the Sink Division prior to or on or after the date hereof, (iii) any activities of Seller in connection with the removal of the properties and assets of the Asbestos Department and the Sink Division from the Real Estate contemplated by the terms hereof and (iv) any action brought against the Buyer to the extent that it is based on a claim that any of the Acquired Assets infringes a United States Copyright, patent or trademark.

(c) Upon obtaining knowledge thereof, Buyer shall promptly notify Seller, in writing, of any claim or demand which Buyer has determined could give rise to a right of indemnification in Buyer under this Agreement. If such a claim or demand relates to a claim or demand asserted by a third party against Buyer then Seller shall have the right to employ counsel to defend any such claim or demand asserted against Buyer and Buyer shall have the right to cooperate and participate in the defense of any said claim and shall make available to Seller or its representatives all records and other materials required by it for its use in contesting any such liability.

9. Without limiting any other provision hereof, Seller shall be responsible for:

(a) The return or replacement, for any reason, of products sold by the Chembest Division prior to the date hereof;

(b) Any liability to third persons, firms or corporations arising out of the sale of any products manufactured by the Chembest Division prior to the date hereof; and

(c) Seller agrees to indemnify, save and hold Buyer harmless against any and all Workmen's Compensation claims arising out of injury occurring prior to April 15, 1970, even though such claims may be asserted on or after April 15, 1970, and Seller agrees to indemnify, save and hold Buyer harmless against all claims arising out of the contracting of asbestosis, emphysema or other respiratory ailments prior to April 15, 1970 where the contracting of such asbestosis, emphysema or other respiratory ailments resulted from exposure to Seller's materials or products prior to April 15, 1970, even though such claims may be asserted on or after April 15, 1970, provided, however, that this indemnity shall not apply to claims based upon the contracting of asbestosis, emphysema or other respiratory ailments in those cases where the claimant was also exposed, prior to April 15, 1970, to products and materials of the Buyer, and this indemnity shall not apply to any claims which are the subject of litigation pending or threatened against both Buyer and Seller on April 15, 1970. With respect to all litigation based upon the claimed contracting of asbestosis, emphysema or other respiratory ailments in which the Seller alone or both the Buyer and Seller are parties, Buyer agrees to make available to Seller all files, documents, and other materials which Buyer acquired from Seller which Seller requests for use in preparation for the defense of such litigation, and Buyer agrees to make reasonably available to Seller all employees who were formerly Seller's employees for consultation and the giving of evidence in such litigation. In the event that Buyer and Seller should elect to prosecute or defend crossclaims against each other in such litigation, the cooperation with Seller of Buyer's aforementioned employees (who had previously been Seller's employees) shall not be deemed disloyalty to Buyer nor work to the prejudice of such employees in their employment with Buyer.

10. Buyer warrants and represents to and covenants with Seller, its successors and assigns that:

(a) Buyer is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware and duly qualified to

do business and in good standing as a foreign corporation under the laws of the State of Illinois.

(b) Buyer has taken all requisite corporate action to authorize and approve this Agreement.

(c) Buyer will pay all costs and expenses (including, without limitation, its attorneys' and accounting fees) incurred by it in connection with this Agreement and the transactions contemplated herein, except for those expenses payable by Seller as provided in paragraph 6(i).

11. Seller has been furnished with an opinion satisfactory to it and its counsel of Allen S. Person, Special Counsel for Buyer, dated the date of this Agreement, and addressed to the Seller, to the effect that:

(a) Buyer is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware, and duly qualified to do business and in good standing as a foreign corporation under the laws of the State of Illinois;

(b) Buyer has taken all requisite corporate action to authorize and approve this Agreement.

12. The representations and warranties of the Seller and the Buyer shall survive the closing of this transaction and shall survive the sale, conveyance, transfer and delivery of the assets and properties hereunder.

13. Within a period of five years from the date hereof, Buyer will not destroy or otherwise dispose of any of the books and records of Seller acquired by Buyer hereunder unless otherwise consented to in writing by Seller without

first offering to surrender such books and records or any portion thereof which Buyer may intend to destroy or dispose of to Seller and Buyer shall allow Seller and its representatives, attorneys and accountants access to such books and records upon reasonable notice and during Buyer's normal business hours for examination and/or copying.

14. Seller agrees with Buyer that it will not participate directly or indirectly in any business (either financially or as an employee, officer, partner, independent contractor or owner, or in any other capacity calling for the rendition of personal services or acts of management, operation or control) which is in any respect competitive with the business conducted by the OCF-Chembest Division at the date hereof, within the geographical area in which such business is now conducted, (excluding Johnson County, Illinois) for a period of three years after the date hereof.

A breach of the covenant and agreement set forth in this paragraph will result in irreparable and continuing damage to Buyer for which Buyer will have no adequate remedy at law, and in the event of any breach of such covenant and agreement, Buyer and its successors and assigns will be entitled to injunctive relief and such other and further relief as may be proper in the premises.

15. Each party hereto represents and warrants to the other party hereto that this Agreement was not induced or procured through any person, firm or corporation acting as broker or finder for such party.

16. This Agreement may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same Agreement.

17. This Agreement contains the entire agreement between the parties.

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18. All the terms of this Agreement shall be binding upon and inure to the benefit of and be enforceable by the successors of the parties hereto.

19. Unless otherwise notified in writing to the contrary, any notice required or permitted by the terms hereof shall be effectively delivered for all purposes upon deposit in the United States mail, postage prepaid, if directed to Seller, properly addressed to it at 332 S. Michigan Avenue, Chicago, Illinois, Attention: ^{Edwin} ~~Edward~~ E. Hokin, with copies thereof addressed and mailed to Sonnenschein, Levinson, Carlin, Nath & Rosenthal, 69 West Washington Blvd., Chicago, Illinois, Attention: Robert Grant; and if directed to Buyer properly addressed to it at Fiberglas Tower, P. O. Box 901, Toledo, Ohio 43601, Attention: James J. Young, or to such other address or addresses as the parties hereto may from time to time designate in writing.

20. This Agreement is being delivered in Chicago, Illinois, and shall be construed according to the laws of that state.

IN WITNESS WHEREOF, the parties hereto have duly executed this Agreement on the day and year first above written.

OWENS-CORNING FIBERGLAS CORPORATION

By Benjamin D. Boyd
Vice President

(SEAL)

ATTEST:

[Signature]
Assistant Secretary

UNARCO INDUSTRIES, INC.

By Edwin E. Hokin
President

(SEAL)

ATTEST:

[Signature]
Secretary

Schedule 1

Equipment

Schedule 2

Intangibles

Schedule 3

Lease of Plant Site of Chembest
Division in Bloomington, Illinois

Schedule 4

Accounts and Prepaid Items of the OCF-Chembest Division

Schedule 5

Inventory of the OCF-Chembest Division

Schedule 6

Commitments of OCF-Chembest Division

Schedule 7

Employees of the OCF-Chembest Division

Schedule 8

Plant Diagram

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- 1 Aurora Pump Div. 2½" x 2½" pump - Ser. #D6210856-2
- 1 Gould & Eberhardt 16" High Duty crank shaper
- 1 Ingersoll-Rand model B portable tank type air compressor - Ser. #11494
- 1 American Tool Works Co. 20" x 10' horizontal geared head lathe - Ser. #44876
- 1 Hendey Mach. Co. 14" x 6' horizontal geared head lathe - Ser. #21111
- 1 Skilsaw, Inc. model 562 - 6" double end floor grinder - Ser. #W2712982
- 1 Clipper Belt Lacer Co. #6 hand operated belt lacer - Ser. #2319
- 1 Kempsmith Mfg. Co. #2 plain horizontal-vertical milling machine - Ser. #60
- 1 Skilsaw, Inc. model KS-4 - 6" double end floor grinder - Ser. #683878
- 1 American Saw Mill Machy. Co. #X36A Monarch-Uni-Point 16" radial saw - Ser. #45556
- 1 Kalamazoo model P42 - 8" x 16" horizontal metal cutting band saw - Ser. #2972
- 1 Dreis & Krump Chicago #816 box and pan hand bending brake
- 1 Beverly Shear Mfg. Co. #B2 - 4½" bench type hand lever operated shears
- 1 Pexto #05850 bench type hand operated beading and crimping machine

James E. Hahn

James E. Hahn
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- 1 Barth Mfg. Co. 48" power roll forming machine - Ser. #3748
- 1 Delta Power Tool Div., Rockwell Mfg. Co. 14" vertical bench type sensitive drill - Ser. #100-8197
- 1 Peck, Stow & Wilcox model 0252-G 52" foot pedal operated squaring shears - Ser. #H-1464
- 1 Delta 10" abrasive cutoff saw - Ser. #49-4399
- 1 Fosdick Mach. Tool Co. 3' radial arm drill
- 1 Fosdick Mach. Tool Co. 24" vertical floor type single spindle drill
- 1 H.B. Rouse & Co. 12" vertical floor type metal cutting band saw
- 1 U.S. Electrical Tool Co. model 20 - 12" Heavy Duty double end floor grinder - Ser. #271817
- 1 DoAll Co. model DBW-1A band saw blade welder - Ser. #6224221
- 1 Delta 14" vertical floor type metal cutting band saw - Ser. #62-4461
- 1 Interstate 35-ton vertical floor type hand operated straightening press
- 1 Lincoln Elec. Co. SAE 300-amp. portable motor generator type arc welder - Ser. #A119853
- 1 Lincoln Elec. Co. SAE-200-J 200-amp. portable arc welder - Ser. #A93611
- 1 Lincoln Elec. Co. SAE-200-J 200-amp. portable arc welder - Ser. #A203693

- 1 Towmotor Corp. model 422SG2524 - 3000# gasoline powered forklift truck - Ser. #422SG670332
- 1 Chicago Pneumatic Tool Co. 10" x 9" T3 horizontal water-cooled air compressor - Ser. #51966
- 1 General Electric 40 H/P totally enclosed induction motor - Ser. #PH6913620 - drives above unit
- 1 Chicago Pneumatic Tool Co. 10" x 9" T3 horizontal water-cooled air compressor - Ser. #51963
- 1 General Electric 40 H/P totally enclosed induction motor - Ser. #PH6913616 - drives above unit
- 1 4' dia. x 8' high welded steel air receiver
- 1 Cyclotherm Div., National U.S. Radiator Corp. type 10505D-D5N-43 process steam generator - Ser. #11933
- 1 Stover Co. 3' dia. x 6' long welded steel condensate return tank - Ser. #C4282
- 1 Goulds Pumps, Inc. model 3196 - 1½" x 3" 10 centrifugal condensate return pump - Ser. #791A395.1
- 1 Appleton Elec. Co. 25 H/P totally enclosed fan cooled induction motor - drives above unit
- 1 Unarco Special process boiler feed water conditioning system
- 1 Towmotor Corp. model 462SG4024 - 4000# gasoline powered forklift truck - Ser. #462S1124
- 1 Towmotor Corp. model 461 - 2800# gasoline powered forklift truck - Ser. #461610413

- 1 Towmotor Corp. model 502PG4024 - 4000# gasoline powered forklift truck - Ser. #502P0784
- 1 Toledo Scale Corp. model 2171 - 11250# dormant platform scale - Ser. #516915
- 1 Viking Pump Co. model 10-124 - 2½" x 2½" centrifugal pump
- 1 Downingtown Iron Works Div., Pressed Steel Tank Co. 6'9" dia. x 26'6" long welded steel liquid Freon storage tank - Ser. #F-3726
- 1 Corken Pump Co. model F12BD Coro-Flo 1½" x 2" centrifugal Freon pump - Ser. #QL50312
- 1 U.S. Stoneware horizontal power driven drum mixer - Ser. #0-65105
- 1 Ridge Tool Co. Ridgid #300 portable electric pipe threader - Ser. #766436
- 1 Toledo Scale Corp. model 2181 - 1600# floor scale - Ser. #25948 - with 711 Verilux reader
- 1 12' dia. x 15' high welded steel 10000-gal. #332 Polyoyl storage tank
- 1 Viking Pump Co. model LL-124 - 3" x 3" rotary pump - Ser. #0631682
- 1 12' dia. x 15' high welded steel 10000-gal. #R-350-X Polyoyl storage tank
- 1 Viking Pump Co. model LL-124 - 3" x 3" rotary pump - Ser. #0631681
- 1 12' dia. x 15' high welded steel 10000-gal. #515 Polyoyl storage tank

- 1 Viking Pump Co. model KK-124 - 3" x 3" rotary pump - Ser. #0631500
- 1 12' dia. x 15' high welded steel 10000-gal. Crosslinker storage tank
- 1 Blackmer Pump Co. fig. 3209 - 2½" x 2½" rotary pump - Ser. #D-377985
- 1 12' dia. x 15' high welded steel 10000-gal. VC-82 Polyoyl storage tank
- 1 Viking Pump Co. model LO-124 - 3" x 3" rotary pump - Ser. #0632419
- 1 12' dia. x 15' high welded steel 10000-gal. MR-Papi storage tank
- 1 Viking Pump Co. model LO-124 - 3" x 3" rotary pump - Ser. #0631894
- 1 Tank Div., Water Treatment Corp. 2' dia. x 6' high welded steel air receiver with Pall Trinity Micro Corp. model 51HA1-0000CH package type air dryer - Ser. #6H-52419-A
- 1 Robinson Mfg. Co. size 13 - 36" twin blade shredder - Ser. #1619
- 1 Mixing Equipment Co., Inc. Lightnin model D-3 electric mixer - Ser. #609832
- 1 Havens Structural Steel Co. model 33-15-HG cooling tower - Ser. #2257
- 1 F.E. Myers & Bro. Co. cat. #100-B - 1" x 1½" centrifugal pump - Ser. #953-62

- 1 Bell & Gossett, Inc. model EPC1N15 package type air conditioning and refrigerating unit - Ser. #M-52259-LD
- 1 F.E. Myers & Bro. Co. cat. #100-B - 1" x 1½" centrifugal pump - Ser. #353-65
- 1 Tecumseh Products Co. type RA code 69C Freon compressor - Ser. #38586
- 1 Philadelphia Iron Works, Inc. 3' dia. x 6' long welded steel cold water storage tank - Ser. #100
- 1 Stover Co. 3' dia. x 8' high welded steel solvent storage tank - Ser. #C-4871
- 1 Kisco Boiler & Engng. Co. model B4K-BFC 1½" x 1½" rotary pump - Ser. #C504383
- 1 Hoffman Specialty Mfg. Co. type WC820 Watchman 1" x 2" condensate pump - Ser. #R31458G
- 1 Oberdorfer Pumps 1" x 1½" solvent motor pump
- 1 Robbins & Myers, Inc. type CDD frame 1L8 form UU 3" x 3" Moyno pump - Ser. #AS-54699
- 1 Robbins & Myers, Inc. type SSQ frame 1L8 form SV 4" x 4" Moyno pump - Ser. #AS-31737
- 1 Toledo Scale Corp. model 2181 - 900# floor scale - Ser. #25957
- 1 Toledo Scale Corp. model 2181 - 1600# floor scale - Ser. #25947 - with 711 Verilux reader
- 1 Hydraulic Div., Fostoria Corp. model CC-3K-152-3T Chempump 2" x 1" centrifugal seal-less motor pump - Ser. #13982-1

MACHINERY AND EQUIPMENT

- 1 Toledo Scale Corp. model 2382 - 20000# tank scale - Ser. #2521
- 1 Will-Flow Corp. 1500-gal. isocyanide reactor - Ser. #8522
- 1 Will-Flow Corp. 200-gal. isocyanide reactor - Ser. #8520
- 1 Toledo Scale Corp. model 2382 - 3450# tank scale - Ser. #2522
- 1 Will-Flow Corp. 500-gal. Crosslinker blender - Ser. #8521
- 1 Toledo Scale Corp. model 2382 - 7450# tank scale - Ser. #2523
- 1 General Electric Special metal-clad polyurethane blending motor control center
- 1 Marsh Stencil Mach. Co. model M $\frac{1}{2}$ " stencil machine - Ser. #873
- 1 Havens Structural Steel Co. model 33-10-JL cooling tower - Ser. #20579
- 2 Oberdorfer Pumps 1" x 1 $\frac{1}{2}$ " centrifugal motor pumps
- 1 McQuay, Inc. model WHR-008A-1 8-ton package type air conditioning and refrigeration unit - Ser. #76159-1
- 1 27" x 44" x 60" obround welded steel cold water storage tank
- 1 Mar-Flo Industries, Inc. 40-gal. electric process hot water heater - Ser. #17632AD

- 1 Allis-Chalmers size 8 - 1½" x 1½" RS centrifugal motor pump - Ser. #1-62770-1-2
- 3 4' dia. x 8' long welded steel 1000-gal. Crosslinker storage tanks
- 1 5' dia. x 10' long welded steel 1500-gal. isocyanide storage tank
- 1 Unarco Special portable resin and prepolymer cooling-heating unit

Unarco Special polyurethane slab pouring line
consisting of
Jennings Special metering and conditioning system
Jennings Special 90" hydraulically operated
traversing pouring machine
Prodco 80" slat type inclined pouring conveyor
discharge conveyor
Spike type slab cutoff saw

- 1 Viking Pump Co. model H-124S - 1 3/4" x 1 3/4" pump - Ser. #0567362
- 1 Electric Products Co. type B-15 electric battery charger - Ser. #22171
- 1 Diagraph-Bradley Industries 7/8" stencil machine - Ser. #34022
- 1 G.H. Tennant Co. model 86 gasoline powered riding type industrial floor sweeper - Ser. #91074
- 1 Unarco Special laboratory type spray unit
- 1 Delta 9" table saw - Ser. #73-614
- 1 Delta 14" vertical bench type band saw - Ser. #77-4804

- 1 Sears, Roebuck & Co. model 113-22541 code B67 floor type combination disc and belt sander - Ser. #22541
- 1 Rockwell Mfg. Co. 4" Precision jointer - Ser. #CC9996
- 1 Binks Mfg. Co. 20' wide x 10' deep x 8' high dry type paint spray booth
- 1 Glas-Craft portable fiber glass spraying unit
- 1 Unarco Special 20" double end floor type polyurethane trim saw
- 1 Unarco Special 8" floor type pipe insulation center hollowing machine
- 1 Unarco Special 36" vertical floor type slab saw
- 1 Unarco Special bag type dust collector
- 1 General Blower Co. size 35 fan - Ser. #15483
- 1 Toledo Scale Corp. style #921-J 1200# floor scale - Ser. #415-168
- 2 Unarco Special 40" vertical floor type band saws
- 1 Unarco Special 8" floor type pipe insulation center hollowing machine
- 2 Unarco Special floor type Cyclone dust collectors
- 2 Unarco Special 3-section bag type dust collectors
- 2 New York Blower Co. size 261 fans - Ser. #X-2337, Y-2780

- 1 Unarco Special 20" vertical floor type pipe covering band saw with adj. contour mandrel
- 1 Unarco Special 20" double end vertical floor type pipe covering band saw
- 1 Unarco Special 8' x 3' x 7'6" steel frame galv. metal sides adhesive spray booth
- 1 Graco President type portable air operated spray pump - with model 8205038 power head - Ser. #6D7 - and - model 207099 pump - Ser. #6B7
- 1 Sears, Roebuck & Co. 12" radial saw
- 1 Unarco Special dowel forming machine
- 1 Delta 17" vertical floor type sensitive drill - Ser. #53-8990
- 1 Unarco Special 48" horizontal polyurethane sheet slitting saw
- 1 Delta 14" vertical floor type wood cutting band saw - Ser. #56-2265
- 1 Unarco Special floor type 2-roll foil crimping machine
- 1 Boston Wire Stitcher Co. model JG Bliss vertical floor type wire stitcher - Ser. #L5139V
- 1 Famco Special 8-blade trim saw
- 1 Unarco Special dust pickup unit
- 1 Hoffman model 38303 exhaustor - Ser. #86825

- 1 Reliance 25 H/P totally enclosed motor - Ser. #P25672A
- 1 North Star model 205B dust collector - Ser. #148
- 1 Unarco Special 40" vertical floor type band saw
- 1 Unarco Special 14" power traversing trim saw -
96" travel
- 1 Howe model CW41 - 2500# dormant platform scale -
Ser. #1541521
- 2 Aget model 90N70-PL dust collectors - Ser. #184, 185
- 2 Louis Allis 30 H/P totally enclosed motors
- 1 Aget model FH-58-3 Filterkop - Ser. #218
- 1 Aget model FH-58-4 Filterkop - Ser. #219
- 2 Unarco Special after-filters
- 1 General Blower Co. size 35 fan - Ser. #19330
- 1 Unarco Special 14" power traversing trim saw -
144" travel
- 1 Timesaver model 62-BSP sander-polisher - Ser. #3079
- 1 Louis Allis 75 H/P totally enclosed motor -
Ser. #2254400001
- 1 Timesaver model 62-VTOP sander-polisher - Ser. #3110
- 1 Louis Allis 75 H/P totally enclosed motor -
Ser. #2254400002

- 1 McMaster-Carr 2000# jib crane, with vacuum pickup unit
- 4 6' x 48' x 8' forced hot air drying ovens
- 1 Despatch style #01500 gas fired heater - Ser. #15446
- 1 Despatch style #SE-80 recirculating fan - Ser. #R1544
- 1 Westinghouse 25 H/P totally enclosed fan cooled motor - Ser. #5902
- 1 Despatch style #SE-80 recirculating fan - Ser. #1473
- 1 Westinghouse 25 H/P totally enclosed fan cooled motor - Ser. #6904
- 1 North American #J-337 turboblower - S.O. #7-9982
- 1 Fate-Root-Heath Co. 5-ton diesel locomotive - Ser. #6192
- 1 Unarco Special hardboard sheet overhead conveying system
- 1 Danly #H-100-132-72 hydraulic press - Ser. #63178801
- 1 Gorman-Rupp 3" x 3" solids pump
- 1 Biggs 8' dia. x 48" long autoclave - Ser. #30177
- 1 Unarco Special 2'6" dia. x 5'6" high and 1'6" dia. x 12' high 2-section steel air receiver
- 1 Gardner-Denver model ACC-9003 - 6 3/4" x 4" vacuum pump - Ser. #449660

- 1 3/4" x 3/4" pump with 1 H/P motor
- 1 Gorman-Rupp 2 1/2" x 2 1/2" solids pump
- 1 Allis-Chalmers model FB-1 - 2" x 1 1/2" BLB pump - Ser. #1-55583-1-1
- 1 Meyers 1 1/2" x 2" motor pump - 3 H/P
- 1 1 3/4" x 1 3/4" split case centrifugal pump - without motor
- 1 7'4" dia. x 38' riveted steel autoclave blow-down tank
- 1 Unarco Special bag type after-filter
- 1 General Blower Co. size 35 fan - Ser. #9996
- 1 Sprout, Waldron & Co. type 36 attrition mill - Ser. #8457
- 1 Howell 60 H/P totally enclosed fan cooled motor - Ser. #14241J-1
- 1 General Blower Co. size 45 blower - Ser. #32730
- 1 Kenco model 109-A sump pump
- 1 J.H. Day Co. 6' x 12' x 6' high blender - Ser. #81243
- 1 Allis-Chalmers 30 H/P totally enclosed motor - Ser. #51-678-350-1331
- 1 J.H. Day Co. 5' x 10' x 5' high blender - Ser. #8122

- 1 Allis-Chalmers 30 H/P totally enclosed motor -
Ser. #51-678-650-1191
- 1 Gorman-Rupp 3" x 3" solids pump
- 1 Unarco Special 4' x 8' vacuum pickup unit - spare

General plant equipment

Laboratory furniture and equipment

- 1 Henry L. Scott Co. model DH 300# cap. tensile tester
- 1 Haskins Mfg. Co. type FR208 electric furnace -
Ser. #4965
- 1 Unarco Special laboratory current conductivity test
panel
- 1 Despatch Oven Co. style #V-29-2 electric oven -
Ser. #34897
- 1 Baker-Perkins bench type twin blade dry mill -
Ser. #38316
- 1 Fred S. Carber model B 2000# bench type hand operated
laboratory press
- 1 Dake Engine Co. model 50H floor type motor driven
arbor press - Ser. #135816
- 1 Unarco Special bench type horizontal motor driven
mixer
- 1 Stewart Bolling & Co. 12" horizontal twin roll water-
cooled blending mill - Ser. #1655

- 1 Walker-Turner Co. 16" vertical floor type band saw -
Ser. #1135448
- 1 Duro Metal Products Co. 16" vertical bench type
sensitive drill - Ser. #B-86144-S1
- 1 Precision Scientific Co. cat. #31481 model 13 electric
laboratory oven - Ser. #N1
- 1 Precision Scientific Co. cat. #31478 model 17 electric
laboratory oven - Ser. #N3
- 1 Precision Scientific Co. cat. #1050 electric laboratory
oven - Ser. #501-498
- 1 Fisher Scientific Co. model 35 titrimeter - Ser. #A383
- 1 Christian Becker, Inc. Chainomatic balance
- 1 Delmhorst Instrument Co. model RC-9A moisture
detector - Ser. #6286
- 1 Brookfield model RVF Synchro-lectric viscometer -
Ser. #5121
- 1 Perkin-Elmer model 700 infrared spectrophotometer
- 1 Bausch & Lomb model HA-8 monocular microscope -
Ser. #250037
- 1 Central Scientific Co. cat. #90510 Cenco Pressovac 4
vacuum pump - Ser. #40438
- 1 Beckman model N pH meter - Ser. #102696

OFFICE FURNITURE AND EQUIPMENT

- 1 IBM Executive 15" electric typewriter -
Ser. #41-023158
- 1 IBM Executive 15" electric typewriter -
Ser. #41-115618
- 1 IBM 10" electric typewriter - Ser. #61-167858 -
with Special invoice carriage
- 1 IBM 10" electric typewriter - Ser. #61-168097 -
with Special invoice carriage
- 1 IBM 11" electric typewriter - Ser. #11-211895
- 1 Royal model 550 - 13" electric typewriter -
Ser. #8855255
- 1 Royal model 550 - 13" electric typewriter -
Ser. #8770593
- 1 Royal model 550 - 13" electric typewriter -
Ser. #9180409
- 1 Royal model 550 - 13" electric typewriter -
Ser. #8904678
- 1 Royal model 550 - 13" electric typewriter -
Ser. #9000496
- 1 Royal model 550 - 13" electric typewriter -
Ser. #8955159
- 1 Royal model 550 - 13" electric typewriter -
Ser. #9183105
- 1 Underwood 13" typewriter - Ser. #7010717

- 1 Underwood 13" typewriter - Ser. #6910394
- 1 Underwood 13" typewriter - Ser. #7859814
- 1 Underwood 13" typewriter
- 1 Underwood 13" typewriter
- 1 Underwood 12" typewriter - Ser. #6742428
- 1 Olivetti Underwood Editor 2 - 13" electric typewriter - Ser. #E13-6011735
- 1 Friden STW-10 electric calculator - Ser. #483883
- 1 Marchant 8SD-X electric calculator - Ser. #356254
- 1 Marchant 8SD-X electric calculator - Ser. #349140
- 1 SCM Marchant 505 Tenkeymaster electric calculator - Ser. #522259
- 1 Remington Rand 3NP electric adding machine - Ser. #475051P
- 1 Remington Rand #7171 manual adding machine - Ser. #664412
- 1 Remington Rand 93N electric adding machine - Ser. #913233
- 1 Remington Rand 93N electric adding machine - Ser. #765764
- 1 Remington Rand 93N electric adding machine - Ser. #160632

- 1 Remington Rand 93N electric adding machine -
Ser. #921984
- 1 Remington Rand 93N electric adding machine -
Ser. #813713
- 1 Remington Rand 93N electric adding machine -
Ser. #652297
- 1 Victor electric adding machine - Ser. #836699-C
- 1 Victor electric adding machine - Ser. #843887-C
- 1 Victor electric adding machine - Ser. #808834-C
- 1 Burroughs manual adding machine
- 1 Dictaphone TAU-4 dictating machine - Ser. #786675
- 1 Dictaphone TBU-3 transcribing machine - Ser. #932180
- 1 IBM model 11 dictating machine
- 1 IBM model 12 transcribing machine - Ser. #462929
- 1 Edison Voicewriter dictating machine
- 1 Ditto Corp. D-5 duplicating machine - Ser. #10128
- 1 A.E. Dick #435 duplicating machine - Ser. #017154
- 1 Addressograph-Multigraph Corp. model 700-H addresser -
Ser. #506548

- 1 Addressograph-Multigraph Corp. Graphotype -
Ser. #1725
- 1 Pitney-Bowes model RA postage machine - Ser. #715872
- 1 Hedman Co. F. & E. electric Check Protector -
Ser. #3727654
- 1 Bolex model M3 film projector - Ser. #442564

Office furniture and fixtures

- Bldg. 1 - Office
Brick and concrete block, steel frame construction
40'0" x 110'0" - 14'2" high
- Item 1 - Engineering Research and Storage
Wood and steel frame construction
56'0" x 108'0" - 16'4" and 10'0" high
- Item 2 - Plant Office
Clay tile and glass block, wood frame construction
32'0" x 40'0" - 13'0" high
- Item 3 - Conference Room
Frame construction
20'0" x 45'0" - 12'0" high
- Item 4 - Record Storage Area
Wood and expanded metal, wood frame construction
12'0" x 24'0" - 8'0" high
- Item 5 - Storage Area
Frame construction
15'0" x 24'0" - 10'0" high
- Item 6 - Resin Department
Concrete block wall
152'0" x 6'0" high
- Item 7 - Federal Division
Concrete block and Unarco board metal, wood
frame construction
495'0" x 38'9" av. height
- Item 8 - Overhead Swinging and Sliding Doors
10 doors of various sizes
- Item 9 - Boiler Room
Unarco board, steel frame construction
20'0" x 29'0" - 16'0" high

- Item 10 - Loading Dock, Ramp and Canopy
Reinforced concrete, wood and steel frame
construction
55'0" x 47'0"
- Item 11 - Maintenance Area
Wood, Unarco board and expanded metal,
wood and steel frame construction
60'0" wall
Office 11'6" to 13'6" x 13'0" - 3'0" high
- Item 12 - Mezzanine Office Area
Frame construction
20'6" x 20'0" - 8'0" high
- Item 13 - Shop Office - Federal Division
Unarco board, wood frame construction
10'6" x 16'0" - 9'0" high
- Item 14 - Timeclock Area and Guard Office
Wood and steel panel, wood frame construction
25'0" wall - 7'0" high
8'0" x 8'0" - 8'0" high Office
- Item 15 - Concrete Foundation
Reinforced concrete
12'0" x 48'0"
- Item 16 - Lunchroom Area
Wood movable office partition
33'0" x 22'0"
- Item 17 - First Aid Room
Frame construction
15'0" x 12'0" - 8'0" high
- Item 18 - Test Area
Frame construction
12'6" x 20'6" - 8'10" high

- Item 19 - Machine platform at Polyurethane Blending
and Metering Area
Metal-clad, steel frame construction
13'0" x 35'0" - 7'6" high
- Item 20 - Industrial Tracks and Tracks in Transfer Pits
35# industrial rail
- Item 21 - Floor
Reinforced concrete
317'0" x 572'0"
195'0" x 44'0"
- Item 22 - Repair Old Railroad Tracks
Replace ties and tie plates
Patch concrete floor
195'0"
- Item 23 - Trenches and Pits Throughout
Reinforced concrete
- Item 24 - Roof
Resurface roof area
Replace dry rotted roof sheathing
192892 sq. ft. area
- Item 25 - Sign
Porcelain enameled steel on steel framing
Illuminated
91'0" x 7'6" high 2-face
- Item 26 - Heating, Ventilating and Air Conditioning System
Oil fired steam boiler, piping and unit heaters
- Item 27 - Electric Lighting System
- Item 28 - Automatic Sprinkler System
- Item 29 - Fire Protection System
Frame construction hose boxes

Schedule 1

Lense - Hold

Item 31

Bldg Power

Feed Wiring

LEASEHOLD IMPROVEMENTS

for Bldg.

Item 30 - Parking Lot Improvements

Item 31 - Power Feed Wiring

Item 32 -- Manufacturing Piping

Annex to Schedule 1 (2 pages) of Additions and Deletions

1. Toledo Scale Company - Style #921-JL200 Floor Scale Serial #415-168 is defective and it is unrepairable, as such, it is deleted.
2. Sears Roebuck and Company 12" radial saw is changed to Sears Roebuck and Company 10" radial saw.
3. Four 6' x 48' x 8' forced hot air drying ovens is changed to three, the fourth enclosure not being a drying oven.
4. The following equipment in the Unarcoboard Department is added.
 - 1 40 yd. dust container
 - 1 5' x 10' vacuum pickup unit
 - 1 4' x 8' mold - male and female
 - 1 5' x 10' mold - male and female
 - 1 air driven water pump
 - 2 transfer units
 - 1 air operated grease gun
 - 1 mill feeder unit
 - 17 autoclave carts - steel construction
 - 53 heat transfer plates - steel
 - 36 oven carts - steel construction
 - 1 North American #3337 turbo blower without motor
 - 1 drawbridge
 - 1 Delta 14" vertical floor type wood cutting band saw
Serial #22-922
 - 1 9" Skill disc sander model #352 - type 6
 - 1 7" Craftsman electric saw - Model #315-27802 - Serial #8614
 - 1 7" Craftsman electric saw - Model #351-27802 - Serial #6612
 - 1 Skill grinder - 5" portable type - Serial #467613
 - 1 Black and Decker portable shear - Cat. #507 - Serial #3778772
 - 1 Milwaukee Tool Co. 1/4" electric drill - Cat. #0100 - Serial #72-
 - 1 Craftsman reversible electric drill 3/8" - Model #315-11251
Serial #5013
5. Bolex model M8 film projector - Serial #442564 - is deleted.
6. The listing of office furniture and equipment is deemed to include all office furniture, even if not specifically listed.
7. The following leasehold improvements are added:
 - a. 1 male employees washroom - size 30' 10" x 34' 2" x 9' 6"
 - b. 1 female employees washroom - size 30' 10" x 32' x 9' 6"
 - c. 1 storage area - size 30' 10" x 31' 7" x 17' 8"
 - d. 1 locker room - size 30' 10" x 14' x 8' 6"
 - e. 1 storage area - size 30' 10" x 34' 2" x 9' 6"
 - f. 1 50' flag pole

All of the above are of wood, concrete, and steel construction, with the exception of the flag pole.

8. Items 26 - 32 in the leasehold improvements listing, as general designations of heating, lighting, sprinkler - fire protection, etc. systems are deemed to include components of those systems.
9. Item 25 of leasehold improvements - sign porcelain enameled steel on steel framing - illuminated - 91'-0" x 7' 6" high 2-face is deleted.
10. 1 Remington manual adding machine is added to office equipment - Serial #521770.

POLYURETHANE FORMULATIONS

The formulations required for the manufacture of production and/or experimental (sample) quantities of polyurethane liquid systems are recorded in a STANDARD FORMULATION record book with each formulation consisting of the following information:

1. Formulation number
2. Product number
3. Date issued
4. The formulation listing
 - a. Identification of material used
 - b. Quantity of material used (in percentage)
 - c. Source of supply
5. Specification for quality control of the formulation in combination with a standard.
6. Physical properties of foam produced by the formulation in combination with a standard.

The STANDARD FORMULATION record book is maintained and controlled by the Systems Chemist of the Research and Quality Control group. Duplicate records are in the possession of the Supervisor of the Research and Quality Control group.

The formulations of record on this date are categorized as follows:

1. Active formulations (called standard formulations) which are currently being used for the production of polyurethane rigid foam slab, and for the production of polyurethane liquid systems.
2. Experimental formulations which have been evaluated and determined to be of potential use in production.
3. Void and obsolete formulations which are no longer considered to be of value in the production of polyurethane rigid foam slab or liquid systems.

There are thirty-five standard polyurethane formulations on record as of this date. They are categorized as follows:

Category 1 - Isocyanate components used for the production of polyurethane rigid foam slab and liquid systems (there are three (3) formulations in this category).

Standard Formulation Number 1000
Product Number A-600
Date Issued 11/24/65
(A low-viscosity isocyanate)

Standard Formulation Number 1001
Product Number A-100, A-300, A-400, A-500
Date Issued 1/23/67
(A prepolymer consisting primarily of polyisocyanate)

Standard Formulation Number 1027
Product Number A-200
Date Issued 2/3/70
(A prepolymer used with Standard Formulation 1001)

POLYURETHANE FORMULATIONS

Category 2 - Crosslinker components (also called resin or polyol components) used for production of rigid urethane slab (there are six (6) formulations in this category).

Standard Formulation Number 1020

Product Number U-190

Date Issued 11/13/69

(A nominal 1.85 pounds per cubic foot slab stock formulation)

Standard Formulation Number 1021

Product Number U-Delta

Date Issued 11/11/69

(A nominal 2.10 pounds per cubic foot density slab stock formula

Standard Formulation Number 1022

Product Number U-200

Date Issued 11/10/69

(A nominal 2.35 pounds per cubic foot density slab stock formulation)

Standard Formulation Number 1023

Product Number U-250

Date Issued 10/13/69

(A nominal 2.70 pounds per cubic foot density slab stock formulation)

Standard Formulation Number 1024

Product Number U-300

Date Issued 9/15/69

(A nominal 3.00 pounds per cubic foot density slab stock formulation)

Standard Formulation Number 1025

Product Number U-400

Date Issued 9/16/69

(A nominal 4.00 pound per cubic foot density slab stock formulation)

Category 3 - Crosslinker components (also called resin or polyol components) used for the production of standard liquid systems (there are five (5) formulations in this category).

Standard Formulation Number 1004

Product Number B-300-2

Date Issued 2/19/68

(A nominal 2.00 pounds per cubic foot density pour-in-place system)

Standard Formulation Number 1005

Product Number B-400-2

Date Issued 11/13/67

(A nominal 2.00 pounds per cubic foot density froth)

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POLYURETHANE FORMULATIONS

Category 3 - Continued

Standard Formulation Number 1012
Product Number B-400-2.5
Date Issued 7/8/69
(A nominal 2.50 pounds per cubic foot density froth system)

Standard Formulation Number 1026
Product Number B-200-2
Date Issued 2/3/70
(A nominal 2.00 pounds per cubic foot density spray system)

Standard Formulation Number 1034
Product Number B-300-4
Date Issued 2/18/70
(A nominal 4.00 pounds per cubic foot density system for molding or pour-in-place application)

Category 4 - Crosslinker components (also called resin or polyol components) used for the production of special liquid systems (there are twenty-one (21) formulations in this category).

Standard Formulation Number 1002
Product Number B-300-1.5
Date Issued 2/19/68
(A nominal 1.50 pounds per cubic foot density pour-in-place system)

Standard Formulation Number 1003
Product Number B-301-1.5
Date Issued 2/15/67
(A low density, pour-in-place system with long reaction times)

Standard Formulation Number 1006
Product Number B-500-20
Date Issued 2/1/67
(A nominal 20.00 pounds per cubic foot density pour-in-place system)

Standard Formulation Number 1007
Product Number B-201-2.5
Date Issued 9/6/65
(A low viscosity spray system)

Standard Formulation Number 1008
Product Number B-303-2
Date Issued 1/31/67
(A nominal 2.00 pounds per cubic foot density pour-in-place system with a low exotherm)

Standard Formulation Number 1009
Product Number B-304-2
Date Issued 10/25/67
(A nominal 2.00 pounds per cubic foot density pour-in-place system with a low exotherm and a long reaction time)

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POLYURETHANE FORMULATIONS

Category II - Continued

Standard Formulation Number 1010
Product Number B-305-2.5
Date Issued 8/1/68
(A nominal 2.30 pounds per cubic foot density pour-in-place system)

Standard Formulation Number 1011
Product Number B-401-2.5
Date Issued 7/18/69
(A nominal 2.50 pounds per cubic foot density froth system for low pressure application)

Standard Formulation Number 1013
Product Number B-306-2.5
Date Issued 11/29/67
(A nominal 2.5 pounds per cubic foot density pour-in-place system)

Standard Formulation Number 1015
Product Number B-309-5
Date Issued 11/13/67
(A nominal 5.00 pounds per cubic foot density system)

Standard Formulation Number 1016
Product Number B-500-6
Date Issued 8/29/69
(A nominal 7.00 pounds per cubic foot density system for molding)

Standard Formulation Number 1017
Product Number B-501-8
Date Issued 12/16/65
(A nominal 8.00 pounds per cubic foot density system for molding or pour-in-place)

Standard Formulation Number 1019
Product Number B-502-10
Date Issued 6/24/68
(A nominal 10.00 pounds per cubic foot density system for molded slab stock)

Standard Formulation Number 1028
Product Number B-103-2.5 PC
Date Issued 2/18/70
(A nominal 2.70 pounds per cubic foot density frother system)

Standard Formulation Number 1031
Product Number B-307-3.0
Date Issued 1/26/67
(A nominal 3.00 pounds per cubic foot density molding pour-in-place system)

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POLYURETHANE FORMULATIONS

Experimental Formulations (Continued)

Experimental Formulation Number 5037
Identification EB-313-1.5
Date Issued 2/19/70
(A nominal 1.50 pounds per cubic foot density pour-in-place system)

Experimental Formulation Number 5039
Identification EB-503-6
Date Issued 2/19/70
(A nominal 7.00 pounds per cubic foot density molding system)

Elastomer Formulation

In addition to the thirty-five (35) formulations listed and identified above, the STANDARD FORMULATION record books contain elastomer formulation U.E.412, a two-component system designed for spray application only.

Unarcoboard Formulations

Three mineral composition board formulations are recorded in the Board 63 laboratory Unarcoboard control book. They are:

Formula 22: The formulation for a nominal 22 pound per cubic foot density board.

Formula 36R: The formulation for a nominal 36 pound per cubic foot density board

Formula 36S: The formulation for a nominal 36 pound per cubic foot density board.

Dr. N. C. Nielsen
Research & Quality Control
March 23, 1970

01-02-181

Schedule 3
Lease of Plant Site of Chembest
Division in Bloomington, Illinois.

Lease dated November 7, 1950 between Gulf,
Mobile and Ohio Railroad Company and Unarco, and as
supplemented by agreements dated October 1, 1951,
October 20, 1955, and April 1, 1970.

Lease Exhibit

*James H. Miller
Vice President
Gulf, Mobile and Ohio Railroad Company*

14. Lease of six automobiles with Wheels, Inc. dated May 16, 1968.
15. Maintenance service agreement for calculator with SCM dated December 31, 1969.
16. Inspection contract on Royal typewriters with Paxtons.
17. Blanket order for use of Xerox copy machine with Xerox Corporation dated August 26, 1968.
18. Refuse pick-up and hauling service with Central Illinois Land Fill dated February 3, 1970.
19. Renewal membership for National Safety Council dated March 3, 1970.
20. Finder's Fee Agreement with Gusmer Coatings, Inc. dated January 12, 1970.
21. Contract for two tanks and two pumps with Quality Oil Company dated April 6, 1968.
22. Maintenance Service Agreement for mimeograph with Paxtons dated May 20, 1969.
23. Maintenance Service for adding machines with Callender Business Machines dated January 9, 1970.
24. Maintenance Agreement for calculator with Friden Division.
25. Tank car lease for Union Tank Car Company dated November 15, 1965, as amended. (3 of the 5 tank cars have been sublet)
26. Maintenance Agreement for IBM equipment with IBM dated May 20, 1969.

SCHEDULE 7
(Consisting of 3 pages)

CHEMTEST DIVISION
Salaried Personnel

Bragonier, Bernita
Cobb, Charlene
Cotton, Mary C.
Crutcher, Bonnie J.
Crank, Lois J.
Cushing, Sara (Sally)
Fulkerson, Irene
Hammond, Charles
Handley, John V.
Harmon, Jerry E.
Heck, Jerry Duane
Huff, Donald R.
Janecok, Henry F.
Julian, Robert P.
Koons, Donald C.
Koopman, Mary Lee
LaMonte, Theresa
Lansing, Kenneth A.
Lawyer, Russell
Lee, Thomas E.
McIntire, Calvin J.
Neeley, Diamond (Diane)
Neeley, LuRay J.
Nielsen, N. C.
O'Rourke, John F.
Price, Clyde Earl
Rechkenmer, Clifton
Reicharts, James E.
Renninger, David A.
Smith, Glen R.
Sharp, William
Still, Loretta J.
Summers, A. W.
Swaney, W. A.
Tanner, Valerie
Taylor, Dayton
Taylor, Harold
Taylor, William E.
Vliet, Arthur L.
Wilham, Merle W.
Worthan, Harry W.
Zsarnay, Charles J.

John E. Hahn

*James R. Hahn
Hahn, R. Hahn
Hahn, R. Hahn*

Typed March 23, 1970

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CIDNEYST DIVISION
Hourly Employees

<u>Name</u>	<u>Date Started</u>
Eugene Hastings	12- 3-51
John Herrell	10- 2-52
Ronald Boring	4-27-66
Roger Rich	8-21-67
Tom R. Harmon	4-29-69
Delmer Kelley	7-14-69
Gerald Beauchamp	9- 8-69
Gail Correll	9- 2-69
John Hendricks	5-13-66
Edward Wheeler	8-27-69
Theoda Kirkwood	9- 5-69
Ernest Shidler	11-24-69
Wesley D. Erps	7-17-69
William Johnson	12-27-51
Floyd A. Hanselman	6-27-68
John E. Hafziger	8-12-69
Charlie Kitchens	4-13-53
Earl Crabtree	12- 7-67
Claud Gore	10- 6-53
Marvin Vance	5-13-68
Donald Toureen	1-27-69
Frankie Eaton	7- 1-68
Michael White	2-24-70
Loyd R. Wolford	8-18-69
Louis J. Bryant	9-23-69
Willie B. Pate	8-26-69
Gary Tipsord	4- 2-68
Cecil L. Folks; Sr.	6-24-68
Francis Norton	12-16-69
John Poleski	10-26-51
Thomas R. Huff	1-21-70
Arthur Milward	4- 2-68
Ernest R. Frost	9- 8-69
Ronald E. Beyer	1- 5-70
Jim A. Harpster	1- 6-70
Steven Woodbury	11-20-69
James L. Alcorn	1-12-70
James Armstrong	5-28-68
Larry E. Mertes	2-24-70
Howard E. Rowcliff	3- 2-70
Jarvis Long	3-16-53
Donald Slaughter	3- 1-67
Donald H. Vollstedt	3- 3-70
James A. Roof	9- 8-69
Norman Walton	1-30-70
Charles E. Wilcox, Jr.	1-14-70

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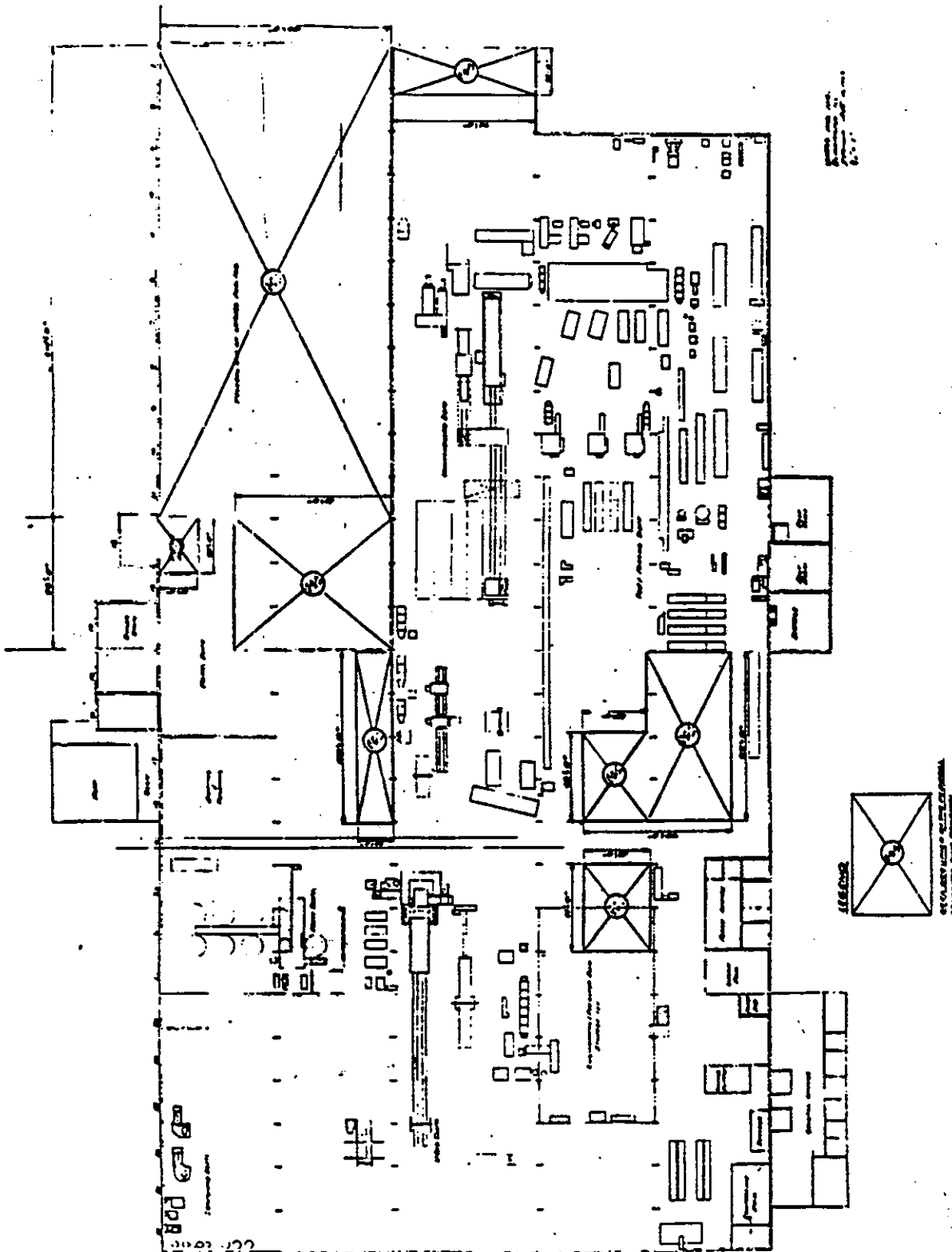
CHIEFEST DIVISION Hourly Employees Page 2

<u>Name</u>	<u>Date Started</u>
John Ealcm	4-18-69
Juan Mendiola	4-22-69
Faye Salvator	12- 8-53
Lyman Hallman	11-11-68
Irene Porter	4-22-54
Leo Lohmeyer	9- 1-55
Lester Friend	3-20-56
Juan Hernandez	6-23-69
Clyde Patterson	6- 2-69
William LeNeve	6- 2-55
Everett Bowman	1-12-54
John Hubbs	12-29-53
Donald Forrest	3- 3-55
Ray Sampson	1-28-54
Dora Smith	4-21-54
Maria Hirsch	2-15-54
Harry T. Grant	6-23-59
Ralph Mounce	7-20-59
Carl Chase	5- 3-66
Florence Gesell	3-30-54
Bernard F. Evans, Jr.	7-28-69
William Debus	12- 9-68
Virginia Glass	7- 1-68
Rose Ferrell	1-29-65
Charles Collins	3-15-56
Darrel Petri	7-21-69
Uvell McCandless	10-19-60
Clyde Compton	2-14-62
Dennis Gustavson	7-10-69
Frank Harris	2-22-67
Wesley J. Julien, Jr.	1-23-67
Walter Winkelmann	10-31-52
James F. Meints	9-15-69
Earl Alford	7-31-69
Julius Atwood	8-13-68
Michael C. Lyon	4-29-68
Daniel E. Raulston	3-21-68
Carroll D. Aldridge	11- 6-69
Stephen C. Thomas	7-21-69
Joseph Babb	10 -5-53

Typed March 23, 1970

01 029 1821

Schedule 8
Plant Diagram



Low Ebb

*James H. Hibel
Vice President
Central Mining & Mfg. Co.*

ASSIGNMENT

WHEREAS, UNARCO INDUSTRIES, INC., a corporation duly organized and existing under the laws of the State of Illinois, having a principal place of business at 332 South Michigan Avenue, Chicago, Illinois, has adopted and is using in its business certain trademarks, has acquired goodwill associated with and symbolized by said marks, and has not abandoned the same; and

WHEREAS, UNARCO INDUSTRIES, INC. is the owner of registrations of certain of said marks in the United States Patent Office, to-wit:

<u>Trademark</u>	<u>Reg. No.</u>	<u>Date of Registration</u>
Chembest	769,023	May 5, 1964
Cry-O-Foam	806,596	April 5, 1966
U-200	837,759	October 31, 1967
UFS-25	860,764	November 26, 1968.

AND WHEREAS, OWENS-CORNING FIBERGLAS CORPORATION, a corporation duly organized and existing under and by virtue of the laws of the State of Delaware, having a principal place of business at Fiberglas Tower, P. O. Box 901, Toledo, Ohio, is desirous of acquiring all right, title and interest in and to said trademarks.

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, said UNARCO INDUSTRIES, INC., an Illinois corporation, does

hereby assign unto the said OWENS-CORNING FIBERGLAS CORPORATION, a Delaware corporation, all its rights, title and interest in and to the said marks, together with the good will of the business symbolized by the marks, and the registrations thereof hereinbefore listed and including the right to sue for past infringement if any there shall be.

Dated: April 15, 1970

UNARCO INDUSTRIES, INC.

By Edwin E. Hokin
President

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK)

On this 15th day of April, 1970, before me, the undersigned, personally appeared Edwin E. Hokin, who acknowledged himself to be the President of Unarco Industries, Inc., a corporation, and that he as such officer, being authorized so to do, executed the foregoing instrument for the purposes contained therein, by signing the name of the corporation by himself as such officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Flora Ann Smith
Notary Public

My commission expires May 18, 1973

01 029 182

S U B L E A S E

This Sublease, dated April 15, 1970, between OWENS-CORNING FIBERGLAS CORPORATION, a Delaware corporation, hereinafter referred to as "OCF" and as "Sublessor," and UNARCO INDUSTRIES, INC., an Illinois corporation, hereinafter referred to as "UNARCO" and as "Sublessee,"

WITNESSETH THAT:

WHEREAS, OCF has become the assignee of the Lessee's interest under an Indenture of Lease, hereinafter called "Lease," dated the 7th day of November, 1950 between GULF, MOBILE and OHIO RAILROAD COMPANY, as Lessor, and UNARCO, as Lessee, covering real estate located in Bloomington, Illinois, hereinafter referred to as the "Leased Premises," which assignment was given pursuant to the purchase by OCF of the Chembest Division of UNARCO, and

WHEREAS, UNARCO has used the Leased Premises for the operation of its Chembest Division and for the operation of its Sink Division, and

WHEREAS, OCF and UNARCO have agreed that UNARCO may continue to use a portion of the Leased Premises for the operation of its Federal Stainless Sink Division, which portion of the Leased Premises shall hereinafter be referred to as the "Subleased Premises," according to the terms of this Sublease as hereinafter provided for,

NOW, THEREFORE, Sublessor hereby sublets the Subleased Premises to the Sublessee, subject to all

the provisions, covenants, conditions and obligations contained in the Lease, which shall be deemed to be incorporated into and become a part of this Sublease, and in accordance with the provisions, covenants, conditions and obligations herein contained.

SECTION 1. Subleased Premises.

The Subleased Premises shall be the areas of the Leased Premises which are designated "FSS" on the floor plan of the building located on the Leased Premises, which floor plan is attached hereto as Exhibit "A".

SECTION 2. Length of Term.

The term of this Sublease shall commence on the date hereof and shall terminate on or before March 31, 1971. Sublessee may terminate this Sublease prior to March 31, 1971 by removing all of its trade fixtures, machinery, equipment, furniture, and items of personal property from the Subleased Premises. Upon termination of this Sublease by lapse of time or otherwise, Sublessee shall yield up possession of the Subleased premises to Sublessor in the same condition as they existed on the date hereof, ordinary wear and tear and damage by fire or other casualty excepted.

SECTION 3. Rent.

Sublessee shall have no obligation to pay any rental hereunder or incur any other monetary obligation hereunder to Sublessor except as hereinafter provided for.

SECTION 4. Use of Subleased Premises.

Sublessee shall have the right to use the Subleased Premises for the operation of its Sink Division in the same manner that said premises have been used by Sublessee under the Lease.

Sublessor shall permit Sublessee's employees to use common facilities, such as rest rooms, lunch rooms, etc., and shall allow Sublessee reasonable access to facilities essentially required in its business such as loading docks and transportation facilities.

SECTION 5. Reimbursement by Sublessee to Sublessor for Expenses Incurred in Behalf of Sublessee.

Sublessee shall reimburse Sublessor for all amounts and charges relating to the use and occupancy by Sublessee of any portion of the Leased Premises, including but not limited to, all amounts and charges for all services, such as janitorial or security services, use of any facilities and equipment of Sublessor and use of any utilities and equipment of Sublessor and use of any utilities such as power, heat, electricity, gas, telephone, and water, which are not paid directly by Sublessee. Said amounts and charges shall be first apportioned on the basis of actual use by Sublessee, or if not capable of being measured by actual use, then on the basis of the prior accounting practice consistently applied in apportioning charges between the Unarco-Chembest Division and the Unarco Sink Division, or if that practice cannot be reasonably ascertained, then in the same ratio as the square footage of the floor area of the Subleased Premises bears to the total square footage of the floor area of the building in which the Subleased Premises are located, excluding from such total square footage the square footage of any common areas or facilities that are used by the Sublessor and Sublessee.

SECTION 6. Waiver of Claims.

Sublessee agrees that to the extent not expressed

prohibited by law, the Sublessor, its agents and employees, shall not be liable for any damage either to person or property, sustained by the Sublessee or by other persons, due to the Leased Premises or any part thereof or any appurtenances thereof becoming out of repair, or due to the happening of any accident in or about the Leased Premises, or due to any act or neglect of Lessor or any agent or employee of Lessor. This provision shall apply equally (but not exclusively) to damage caused by water, snow, frost, steam, sewage, gas, sewer gas or odors, or by the bursting or leaking of pipes or plumbing works or the failure of any appurtenances or equipment, or by any other thing or circumstance above mentioned or referred to, or by any other thing or circumstance, whether of a like nature or of a wholly different nature. The Sublessee further agrees that all personal property upon the Subleased Premises shall be at the risk of the Sublessee only and that the Sublessor shall not be liable for any damage thereto or theft thereof.

SECTION 7. Indemnification of Sublessor.

Sublessee agrees to protect, indemnify and save harmless the Sublessor from and against any and all claims, demands and causes of action of any nature whatsoever, and any attorneys' fees and expense incident to the defenses thereof by Sublessor for injury to or death of persons or loss of or damage to property, occurring in the Subleased Premises, or in any manner growing out of or connected with Sublessee's use and occupation of said Subleased Premises during the terms of this Sublease.

SECTION 8. Insurance.

Sublessor shall cause Sublessee to be named as a party insured under the insurance that it carries under Article IV of the Lease; provided, however, that none of such insurance shall be payable to Sublessee, and said insurance shall be payable to Lessor and Sublessor in accordance with the provisions of the Lease.

SECTION 9. Removal of Trade Fixtures.

Sublessee shall comply with the provisions of paragraph 5(c) of the Agreement dated April 1, 1970 between OCF and Unarco with regard to the sale of the OCF-Chembest Division to OCF.

SECTION 10. Obligations of Sublessor.

Nothing contained in the Sublease shall in any way obligate Sublessor to perform any act required to be performed by Lessor under the Lease; nor shall Sublessor incur any liability to Sublessee by virtue of Lessor's failure to perform any act required of it.

IN WITNESS WHEREOF, Sublessor and Sublessee have caused this Sublease to be duly executed on the day and year first above written.

OWENS-CORNING FIBERGLAS CORPORATION,
Sublessor

By: Benjamin E. Boyd
Vice President

ATTEST:

[Signature]
Assistant Secretary

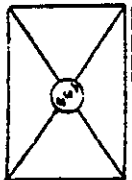
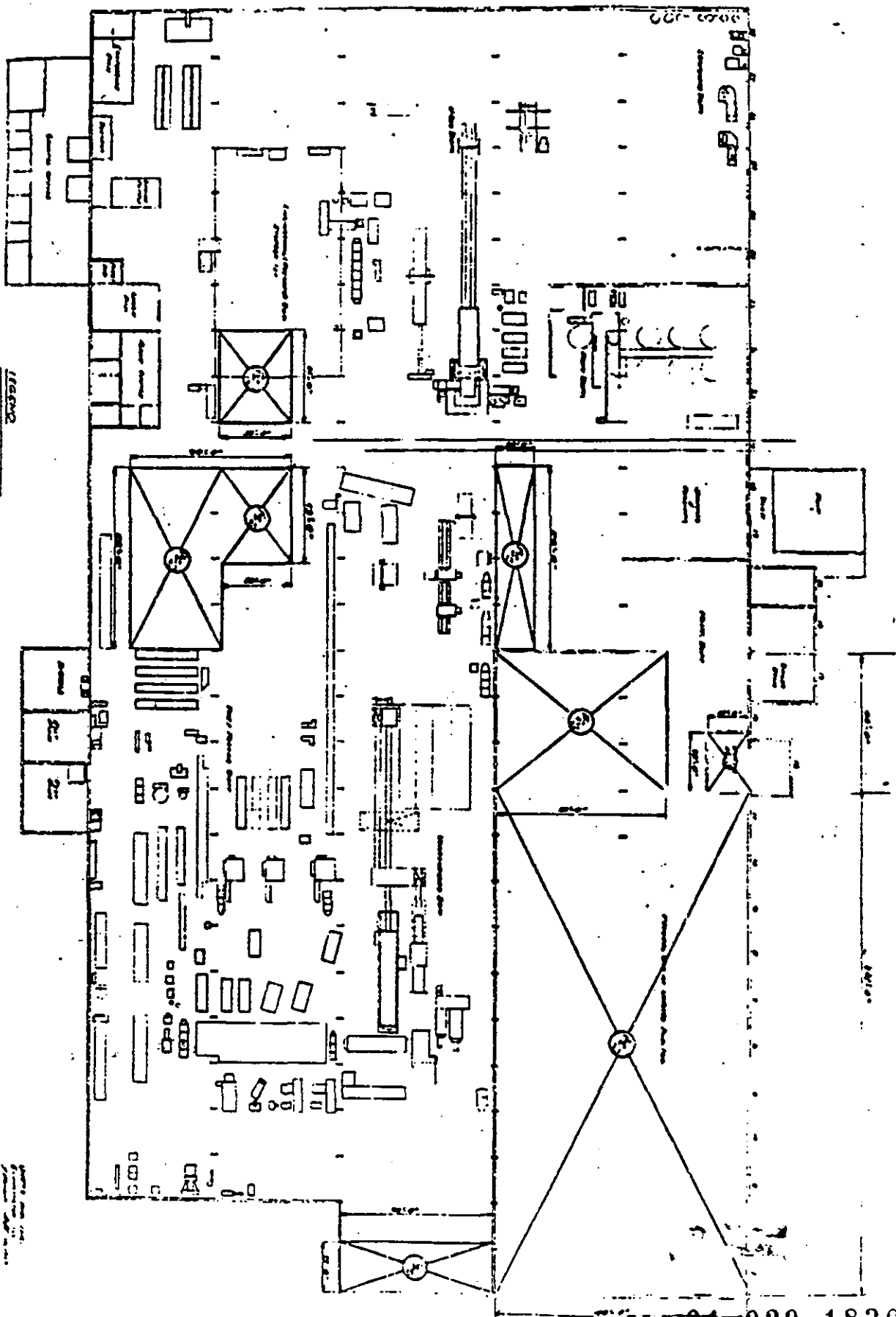
UNARCO INDUSTRIES, INC.,
Sublessee

By: Ben E. Estes
President

ATTEST:

[Signature]
Secretary

01 029 1829



PLAN OF THE BUILDING
SHOWING THE LAYOUT OF THE
FLOOR AND THE POSITION OF THE
COLUMNS AND STAIRS

TRADEMARK LICENSE AGREEMENT

AGREEMENT made this ^{15th} day of April, 1970 between UNARCO INDUSTRIES, INC., an Illinois corporation ("Unarco"), and OWENS-CORNING FIBERGLAS CORPORATION, a Delaware corporation ("OCF"),

W I T N E S S E T H:

Concurrently herewith, Unarco has sold to OCF certain of the assets of Unarco's Chembest Division, which assets include inventory composed in part of quantities of an amosite asbestos board heretofore manufactured and sold by Unarco (hereinafter referred to as the "Product") under the trademark "UNARCOBOARD".

Unarco is the owner of the trademark "UNARCOBOARD" (hereinafter referred to as the "Trademark"), which Trademark was registered in the United States Trademark Office on October 29, 1968 and bears Serial No. 281504 and Trademark No. 859185.

It is the desire and intention of Unarco and OCF that OCF be permitted to use the Trademark on a non-exclusive basis for a limited period of time so that OCF may manufacture the Product and dispose of the Product inventory acquired by it and so manufactured and so that OCF may have a sufficient period of time in which to develop its own mark to be associated with the Product.

NOW, THEREFORE, the parties agree as follows:

1. Unarco grants to OCF the non-exclusive right to use the Trademark in connection with the manufacture and sale of the Product but OCF must manufacture the Product in accordance with the specifications.

directions and processes heretofore followed by Unarco in the manufacture of the Product under the Trademark.

2. Whenever OCF uses the Trademark in advertising or in any other manner in connection with the Product, OCF shall clearly indicate Unarco's ownership of the Trademark. When using the Trademark under this Agreement, OCF shall comply substantially with all laws pertaining to trademarks in force at any time in the United States of America. This provision includes compliance with marking requirements.

3. The license granted in this Agreement shall be non-exclusive and non-divisible and shall not be transferable without Unarco's prior written consent, and shall terminate not later than June 30, 1971.

4. Unarco assumes no liability to OCF or third parties with respect to the performance characteristics of the Product manufactured or sold by OCF under the Trademark and OCF agrees to indemnify and hold harmless Unarco against any and all losses, liabilities, claims, damages and expenses (including reasonable attorney's fees) incurred or suffered through claims of third persons against Unarco involving Products manufactured by OCF.

5. OCF acknowledges Unarco's exclusive right, title and interest in and to the Trademark and will not at any time do or cause to be done any act or thing contesting or in any way impairing or tending to impair any part of such right, title and interest. In connection with the use of the Trademark, OCF shall not in any manner represent that it has any ownership in the Trademark or the registration thereof and OCF acknowledges that its limited use of the Trademark hereunder shall not create in OCF's favor any

right, title or interest in or to the Trademark, but all uses of the Trademark by OCF shall inure to the benefit of Unarco. Upon termination of this Agreement, OCF will cease and desist from all use of the Trademark in any way and OCF will at no time adopt or use any word or mark which is likely to be similar to or confusing with the Trademark.

6. OCF agrees to notify Unarco of any adverse uses it becomes aware of of marks confusingly similar to the Trademark and agrees to take no action of any kind with respect thereto except by the express written authorization of Unarco. Unarco agrees to hold harmless OCF from any and all loss, damage and expense OCF may incur in connection with any claims or suits made or brought against OCF alleging that its use of the Trademark under this Agreement in the United States infringes in any way the rights of others.

7. Unless otherwise notified in writing to the contrary, any notice required or permitted by the terms hereof shall be effectively delivered for all purposes upon deposit in the United States mail postage prepaid, if directed to Unarco properly addressed to it at 332 South Michigan Avenue, Chicago, Illinois 60604, Attention ^{Edwin}~~Edward~~ E. Hokin, and if directed to OCF properly addressed to it at Fiberglas Tower, P.O. Box 901, Toledo, Ohio, Attention James J. Young or to such other address or addresses as the parties hereto may from time to time designate in writing.

8. All the terms of this Agreement shall be binding upon and inure to the benefit of, and be enforceable by, the parties hereto, their successors and assigns.

IN WITNESS WHEREOF, the parties hereto have duly executed
this Agreement on the day and year first above written.

UNARCO INDUSTRIES, INC.

By Edmund Estabrook
President

ATTEST:

James L. Davis
Secretary

OWENS-CORNING FIBERGLAS
CORPORATION

By Benjamin E. Boyd
Vice President

ATTEST:

John L. Owens
Assistant Secretary

518 - 427

DIVISION OF
INDUSTRIAL HYGIENE
DEPT. OF PUBLIC HEALTH
REGINA, SASK.

APRIL, 1946

INDUSTRIAL HYGIENE DIGEST

(Vol. 10, No. 4)

Literature Abstracts

- MEDICAL
- ENGINEERING
- LEGAL . . . decisions and trends

Industrial Health News

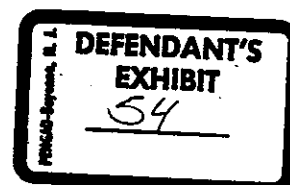


Issued Monthly By

INDUSTRIAL HYGIENE FOUNDATION

4400 FIFTH AVENUE

PITTSBURGH 13, PA.





FOUNDATION FACTS

Foundation Facts is a monthly news-letter issued to industrial concerns holding membership in Industrial Hygiene Foundation. The Foundation is a non-profit association of industries for the advancement of healthful working conditions.

Vol. 8

April, 1946

No. 4

Medical and Engineering Transactions Issued

The Transactions covering the Medical and Engineering Section of the Foundation's Tenth Annual Meeting were published and sent to members recently. This notable publication contains:

A preliminary report by Dr. C.O. Sappington on a field study now in progress on Industrial Health Department Functions;

A panel discussion on Accurate Diagnosis of Silicosis, led by Dr. Leroy U. Gardner;

A report on Accurate Measurement of Silicosis Hazards by Dr. F.R. Holden and other members of the Foundation's staff, and

A detailed report by Dr. W.M. Gafafer on the continuing study of sick absenteeism in which the Foundation has been cooperating with the U.S. Public Health Service since 1940.

Use of Aluminum in Combating Silicosis

The Council on Industrial Health and the Council on Pharmacy and Chemistry of the American Medical Association have issued a report on "Aluminum in the Prevention and Treatment of Silicosis". This is published in the April 27 issue of the "Journal of the American Medical Association". A copy of the report is contained in the current INDUSTRIAL HYGIENE DIGEST.

Measurement of Air Flow

A revision of the Preventive Engineering bulletin on Measurement of Air Flow Rate in Industrial Ventilation has just been issued to members. The demand for this publication exhausted the original printing. Members desiring additional copies may now secure them.

Integration of Health and Safety

The Foundation arranged an industrial hygiene program at the Western Pennsylvania Safety Conference held in Pittsburgh late in April. Dr. Dudley A. Irwin of the Aluminum Company and Theodore F. Hatch of the Foundation participated in a joint discussion on "Integration of Industrial Safety, Hygiene and Medicine".

News Briefs: Members of the Foundation's staff attended the annual meeting of the Industrial Physicians and Industrial Hygienists held in Chicago recently..... Dr. Holden presented a paper at the meeting..... Dr. A.J. Lanza, Chairman of the Foundation's Medical Committee, was given the Knudsen Award at the conclusion of the sessions. This is presented each year to a physician for outstanding work in industrial health.

I-H-F

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INDUSTRIAL HYGIENE DIGEST
Literature and News

News Items

318 Penna. Resuming Work Restrictions on Women and Minors

Restrictions on the employment of women and minors in Pennsylvania, relaxed during the war, will again become effective on June 30, according to a recent announcement by the State Industrial Board. It was pointed out by William H. Chesnut, Secretary of Labor and Industry, that "to all practical intents and purposes the war emergency is at an end". — Pittsburgh Post-Gazette, (April 1, 1946)

319 Enforcement of Smoke Ordinances Poses New Management Problems.

Wartime laxities in smoke abatement problems will soon end, if municipal authorities are successful in gaining support for present enforcement plans and expansion of control programs which were postponed by the war. Baltimore, Cleveland, Indianapolis, Louisville and Wilmington, Del., are preparing to enforce pre-war laws on smoke regulation. Los Angeles, Columbus and Milwaukee are considering similar legislation. Virginia, Minn., has a central steam heating system throughout, and a downtown heating plant in Duluth will probably expand into residential districts. Such systems are more common in Europe. In Cleveland, it is estimated that 50 tons of filth is deposited on every square mile of the city each month, causing over \$10,000,000 damage per year. (The estimate of sootfall in Pittsburgh is twice that figure.) It has been pointed out that smoke control is also fuel conservation, and threatened coal shortage may make more economical use of fuel necessary. — Anon. Buildings and Building Management, pp. 44-46 (Feb., 1946)

Editor's Note: Although not mentioned in the article, Pittsburgh has had a smoke control ordinance, applying to industries, for a number of years, and extended to domestic consumption since just before the war. It was not enforced during the war. A large share of the credit for Pittsburgh's legislation, on which many of the others are based, is due to the investigations and campaigns conducted by Dr. H.B. Meller, late Managing Director of the Foundation. St. Louis is also conspicuous among the cities in smoke regulations and their enforcement.

320 Ten Year Index - J.I.H.&T.

Plans for publishing a cumulative index for Volumes 18-27 inclusive, 1936 to 1945, are announced by the Editors of the Journal of Industrial Hygiene and Toxicology. Only a few copies will be printed in addition to orders actually in hand at the time of going to press. Orders received

325a Aluminum in the Prevention and Treatment of Silicosis.

The Council on Industrial Health and the Council on Pharmacy and Chemistry of the American Medical Association have authorized publication of the following report on the use of aluminum in the prevention and treatment of silicosis. Since this means of therapy is controlled by patent and can be used only by licensees, studies will be continued by the two councils into this phase of the subject. Further reports will be issued as indicated.

Carl M. Peterson, M.D.

Secretary, Council on Industrial Health

Austin E. Smith, M.D.

Secretary, Council on Pharmacy and Chemistry

The dissemination of reports on the effects of aluminum powder in the prevention and treatment of silicosis has aroused widespread interest and a demand for an authoritative statement regarding its value. At the present time the following statement would seem to be warranted; it is subject, however, to such modification as future knowledge and experience may indicate.

1. In experimental animals the prophylactic use of aluminum inhibits the toxic action of relatively pure quartz.

2. In man, industrial dust exposures often involve mixtures of various minerals in addition to quartz and other environmental variables to which experimental animals are not subject. Therefore human silicosis usually develops more slowly and is often modified in type. Only prolonged unbiased observation, with adequate control cases, will demonstrate whether the prophylactic results obtained with animals are applicable to man.

3. Animal experiments have demonstrated that administration of high concentrations of amorphous hydrated alumina unfavorably influences resistance to tuberculosis. While this result has not yet been reported for metallic aluminum, caution in the application of all aluminum therapy to human beings is recommended.

4. The use of aluminum might appear as an easy short-cut to healthful working conditions, thus saving large expenditures for ventilation and other control methods. Actually there is no substitute for the accepted methods of dust control.

5. If industry indiscriminately treats all employees with aluminum dust, there may be aggravation of tuberculosis or other pulmonary conditions.

6. The therapeutic use of aluminum in man appears to relieve symptoms in a very small number of cases in which silicosis develops rapidly. Experience in some groups is more favorable than in others.

7. In view of these considerations it is recommended that the general application of aluminum therapy in industry be delayed until adequately and impartially controlled clinical observation demonstrates its effectiveness in preventing or alleviating silicosis in man. In the meantime, there should be no slackening in the control measures that have been found effective in reducing the incidence of dust diseases in industry. — J.A.M.A., (Apr. 27, 1946)

Occupational Disease Statistics

326 Occupational Disease Statistics.

	Calif. ²	Conn. ²	Ind. ²	Mich. ²	Ohio ¹	
	Jan.	Mar.	Mar.	Mar.	Feb.	
	1946	1946	1946	1946	1946	Totals
Carbon Monoxide	15	1				16
Carbon Tetrachloride	2					2
Chemical Pneumonitis			1			1
Conjunctivitis	205					205
Dermatitis	991	9	32	7	113	1152
Heat	1					1
Inflammatory Conditions	279			10		289
Lead Absorption			2			2
Lead Poisoning	5	1			4	10
Miscellaneous					49	49
Noise	1					1
Pneumoconiosis (exclusive of silicosis)		1		1	8	10
Pulmonary and Bronchial Affections	20					20
Silicosis			3	9	35	47
Skin Diseases (other than dermatitis)					2	2
Systemic Effects	36				4	40
Tuberculosis (due to contact)					2	2
Typhus			1			1
Undulant Fever			1			1
Upper Respiratory Affections	9					9
Totals	1564	12	40	27	217	1860

(1) Occupational Disease Claims filed with the Industrial Commission.
There were 74,024 days lost, including eight deaths from silicosis
and one death from tuberculosis due to contact.

(2) Occupational Disease Cases filed with the Health Department.

331 Heart Attack as Cause of Death: Course of Employment.

When an employee died suddenly after being stricken with a severe pain in the region of the heart, it was held that the medical evidence supported the contention that the strain of the work and the heat were the motivating causes of death, and that the lower court erred in its consideration of said evidence. -- Hemphill v. Tremont Lumber Co. Louisiana Supreme Court. No. 37,321. February 11, 1946. (OCH)

332 Oral Notice of Accident Given. Causal Relation.

Employee's injury was compensable as the employer was given oral notice and was not prejudiced by failure to give written notice, and the finding of causal relation was sustained. -- Peters v. Gleason Works. New York Supreme Court, Appellate Division, Third Department. November 20, 1945. (OCH)

333 Traumatic Cancer: Conflicting Medical Opinions.

When claimant was struck in the breast and later developed cancer, there was a difference of medical opinion as to whether the blow caused the condition; the court upheld the theory of traumatic cancer and affirmed the award. -- In re Roth. New York Supreme Court, Appellate Division, Third Department. September 19, 1945. (OCH)

334 Inhalation of Chlorine Gas: Permanent Total Disability. Rate Fixing of Claim.

Appellee while employed by the appellant as a carpenter was seriously injured when a large quantity of chlorine gas escaped from a pipe. His throat, bronchial tubes, and lungs were burned when he inhaled the escaped gas, after which he was given aid at a dispensary. He did not return to work for six weeks. From that time on the appellee's health progressively deteriorated but he continued to work for six more years at which time he left the employment of the appellant because of poor health. Six years after the accident occurred, appellee filed a claim for compensation, his contention being that he was lulled into a state of security because of his continuing to work for appellant, kind treatment by his employer in giving him lighter work to perform, being paid his salary from the date of the injury, and the fact that when he ceased to work for the appellant he was receiving higher wages than he had before the accident. Because the department superintendent who supposedly lulled the appellee into a state of security did not have the authority to make the promise of seeing that the carpenter's claim was taken care of, such unauthorized action cannot be set up by way of estoppel. Judgment reversed and case remanded for an order to be passed in conformity with the opinion. -- West Virginia Pulp and Paper Co. v. Morton. Maryland Court of Appeals. No. 55, October Term, 1945. Filed February 6, 1946. (OCH)

335 Applicability of Compensation Act: Dermatitis Contracted in Course of Employment.

Plaintiff contended that because of the employer's negligence in failing to remove quantities of spun glass dust from the vicinity of plaintiff's work, plaintiff contracted dermatitis. Defendant's demurrer to plaintiff's complaint was based on the grounds that the court was without jurisdiction of the subject of the action and that the facts did not constitute a cause of action. As the 1943 amendments to the occupational disease act included within its purpose all occupational diseases, defendant asserted that regardless of its liability, plaintiff's cause fell wholly within the compensation act. Although plaintiff did not

339 Notice and Filing Delay; Faulty Medical Diagnosis a Sufficient Good Cause.

An employee has a right to rely upon the diagnosis of a reputable physician and when the diagnosis is faulty, the consequent delay in giving notice of and filing claim for workmen's compensation is considered sufficiently good cause. — Dean v. Safety Casualty Co. Texas Court of Civil Appeals, Second Supreme Judicial District. No. 14,723. November 9, 1945. (CCH)

Book Reviews and Notices

340 Poisons - Their Properties, Chemical Identification, Symptoms, and Emergency Treatments. V.J. Brookes and H.N. Alyes. D. Van Nostrand Co., New York. 209 pp. Price \$3.00. (1946)

This volume differs from the usual textbook on toxicology in its style and arrangement. Originally written for police, investigators, and peace officers, the material should also be of value to physicians, nurses, chemists and pharmacists. It is written in simple language, ready for rapid reference, with a minimum of technical details. The first three chapters are general, including definitions and statistics, the fundamentals of chemistry of poisons, simple methods of chemical tests, and general properties and classification of poisons, with antidotes. A list of antidotes for a kit is suggested. In the next chapter individual poisons are discussed in alphabetical order, including identification, symptoms, and treatment for each. In the next chapter the information is repeated, concisely and in tabular form, with emergency treatment, for quick reference. Industrial hazards are next treated, first in general tables, then in alphabetical order. A short chapter deals with poisonous plants and animals, and the final chapter describes special techniques, including artificial respiration, the gas mask, the inhalator and shock treatment. An appendix consists of a glossary, a list of reagents and tables of measures.

341 Medicine in Industry. B.J. Stern. The Commonwealth Fund, New York. 209 pp. Price \$1.50. (1946)

The general subjects covered are the social, economic, legal and professional setting within which industrial medicine has progressed, and the development of the scientific knowledge which has enabled industrial physicians to cope with many diseases affected by occupations. The author presents data on the rates of industrial disability and the limited extent of preventive services. Among subjects considered are recent development in health and insurance programs, the problems of the handicapped in industry, and the relationships between the industrial physician and the general practitioner. The conclusion is that although great advances have been made in recent years, adequate care for the great mass of workers in the United States is still to be provided, and that industrial medicine offers a fruitful approach to preventive medicine and public health, one that needs to be skillfully and intensively developed.

Methods of Detection and Determination

- 345 An Apparatus for Rapid Sampling of Large Air Volumes for Industrial Air Analyses. L. Silverman and C.R. Williams. J. Ind. Hyg. & Tox., 28, 21-22 (Jan., 1946)

An air sampling apparatus for rapid sampling of particulate matter from large air volumes is described. This device employs a large area filtration unit constructed with analytical filter papers. A flowmeter, housing and centrifugal blower are incorporated with the filter units into a compact portable apparatus for use in the field. Sampling rates as high as 65 cubic feet per minute are obtainable with high efficiency. — Authors' summary

- 346 Detecting Radiation Hazards. Anon. J.A.M.A., 130, 791 (Mar. 23, 1946)

A recent release from the University of Rochester reveals many heretofore unpublicized aspects of research connected with the atomic bomb. The medical aspects of the research were organized in 10 divisions. Among the most important was the development of methods to protect the employees: of the thousands employed in the plants not a single one was injured by any of the new and peculiar hazards of the work. Animal investigations on the toxicology and pharmacology of uranium compounds established criteria for tolerance levels. Methods of analyzing the urine of employees were devised to determine the extent of exposure and to estimate the amount of radiation exposure which could be tolerated by human beings. A method of taking finger impressions in wax was devised and employed on the workers handling radioactive materials in atomic plants. This permitted the determination of when, if at all, employees began to show changes in the skin as a result of contact with the materials handled. One division studied the blood of large groups of animals, completing over 100,000 analyses. Geneticists studied the effects produced on the offspring of mice and fruit flies which had been exposed to radiation. Some 277,000 mice and 50 million fruit flies were bred and observed. The application of the vast amount of data gathered by the University of Rochester group, of which that cited is only an example, can hardly be predicted, but the results will certainly be significant in the fields of metabolism, cancer, hematology and physical medicine.

- 347 Benzene Poisoning. Preventive Measures and Relation between Atmospheric Pollution and Frequency and Gravity of Intoxication. Auy, Vallaud and Eck Arch. Malad. Professionnelles, 6, 199-212 (1944-1945) (French)

25162
A study was made of atmospheric benzene concentrations and of blood findings in several industries, with an attempt to correlate them. In estimating the extent of blood damage, a coefficient was estimated for each worker: "0" for "dangerous" conditions, RBC under 3.5 million, WBC under 4,000 and polymorphs, 50%; "2" for "normal" conditions, RBC under 4 millions, WBC over 5,000 and polymorphs, 60%; and "1", "to be watched", with values intermediate between the above. The average for workroom was calculated by dividing the sum by the number of workers and multiplying by 100. Thus a perfect score, or all normal blood, would be 200, and entirely dangerous conditions 0. Benzene concentrations were determined by the formalin sulfuric acid method. Summarized reports on the industries are as follows: (1) Waterproof industry. Large and airy rooms, but little special ventilation. Benzene 0.1-1.1 g. per cu. m. Workroom coefficient

- 349 Makeshift Mine Ventilation. E. Smith. Safety Eng., 91, 53-54 (Mar., 1946)

Ventilation of idle mines is rarely given any attention, and such mines, if air passages are at all blocked, must be ventilated before they can be worked safely. Air from a compressor is satisfactory if uncontaminated but sometimes the engine stench is evident in a noticeable degree. A fan may cause recirculation of the mine air if too near the entrance. In one case the recirculation of blackdamp was sufficient to stop the engine. A gasoline engine may constitute a fire hazard. Several cases of makeshift ventilation, none of them successful, are reported. For instance in one case tin paddles were attached to a wheel of a bicycle to convert it into a fan. As an air moved it proved to be still a pretty good bicycle. Other improvised blowers proved to be dangerous. Stove ventilation has been used in small mines, using the draft of a stove at the surface to cause a slight circulation in the mine. It is only effective as long as the fire burns, and fatalities have resulted from such an arrangement when the fire went out. Puzzling appearance and disappearance of blackdamp from certain parts of a mine is caused by changes in barometric pressure. The gas expands out of unused parts of the mine under reduced pressure and contracts back into those parts under increased pressure. A Mine Safety Order does not permit men to work when the oxygen content of the air is under 19.5% by volume (dry basis), but a deficiency is difficult to determine, as safety lamps still burn brightly at that percentage.

- 350 Armstrong Cork Takes Dust for a Ride. Occ. Hazards, pp. 18-20, 30-31 (Mar., 1946)

The Armstrong Cork Company describes the precautions taken against fire hazards from dust. These include an airtight dust collector system which keeps dust under control at all stages from cutting to final grinding, with frequent insertions of screw conveyors which act as baffles to stop any fire; rigid fire precautions with automatic sprinklers, portable fire extinguishers and fire doors; exhaust ventilation with explosion type emergency vents; and workers constantly on the alert to clean up at once any escaped dust.

Industrial Health Hazards and Their Effects

- 351 Silicosis: Clinical Study. H. Dayman. Am. Rev. Tuberc., 52, 449-462 (Dec., 1945)

Dayman reports observations on 116 patients with silicosis, 33 of whom came to necropsy. Thirty of the 116 patients who did not present evidence of clinical tuberculosis are divided into two groups; those with simple nodular silicosis (15 cases) and those with simple conglomerate silicosis (15 cases). The majority of the 15 patients with simple nodular silicosis were free of symptoms. A few noted slight dyspnea on exercise. The diagnosis was established solely on a history of prolonged exposure to silica dust and the minute, widely distributed shadows in the roentgenogram. The patients with simple conglomerate silicosis exhibited symptoms and signs of pulmonary emphysema. Dyspnea was often the sole outstanding complaint. In seven of the 15 cases massive shadows were situated symmetrically in either lung field at the hilar level, while in

355 Casualties Following Exposure to Zinc Chloride Smoke.

E.H. Evans. Lancet, 249, 369-370 (1945)

Ten deaths and 25 instances of non-fatal injury occurred among 70 persons exposed in a tunnel to zinc chloride fumes resulting from the burning of a smoke generator 39 yards from the entrance. The generator contained hexachloroethane and zinc oxide, with small quantities of calcium silicide and an igniter composition; the smoke consisted mainly of finely particulate zinc chloride together with carbon and carbon dioxide. Near the generators, the zinc chloride smoke concentration was estimated at 0.5 lb. per cu. yard. The main effects were damage to the mucous membrane of the nasopharynx and respiratory tract, and a pale gray cyanosis that did not respond to venesection nor readily to oxygen. Morphine was useful in allaying restlessness and anxiety. — C.A.

356 Poisoning from an Encaustic Containing Lead Tetraethyl. Semimicro Determination of Lead Tetraethyl in Gasoline. G. Schuster. Ann. chim. anal., 25, 55-56 (1943) (French)

The term encaustic signifies a vehicle for painting in which wax is the chief ingredient. A case is described here of poisoning of a French artisan who handled a product containing lead tetraethyl. His symptoms are described and the quantities of lead found in the urine at different times are given. These analyses were made by determinations with hydrogen sulfide or with dithizone. For the rapid determination of lead in gasoline the following procedure is recommended: Take 20 ml. of sample, add 2 ml. of concentrated nitric acid and heat a few minutes. Pour off the acid and treat the gasoline three times more with 1-ml. portions of concentrated nitric acid. To the entire acid solution, add cautiously 2 ml. of concentrated sulphuric acid and boil gently for a few minutes. Cool, add 5 ml. of a saturated aqueous solution of ammonium tartrate, 1 ml. of 10% ammonium acetate solution, and 15 ml. of water. Saturate the solution with hydrogen sulfide or add some sodium bisulfide solution. Compare the brown color produced by the lead sulfide with that obtained with the known quantities of lead. — C.A.

357 Detection of Porphyrinuria in Lead Poisoning. Schein. Arbeitsschutz, pp. 336-339 (1943) (German)

The normal person eliminates in the urine up to 6 gamma % porphyrin. In lead workers values up to 15 gamma % are still normal, higher figures up to 50 gamma are significant for lead damage. — C.A.

358 Memorandum on Welding Processes and Their Hazards.

Leeds Joint Council on Industrial Medicine. (1945)

This Memorandum describes the various welding processes and their hazards, including shock, explosion, radiation effects, burns, eye injuries, the various metal fumes, heat effects and anoxemia. Precautions recommended include use of direct current under 60 volts, general and localized exhaust ventilation, and protective clothing, especially leather gloves. Regarding gloves, "a better material than leather is required but has not yet been discovered."

359 Formaldehyde. Controlling Chemical Hazards, Series 3. U.S. Dept. Labor, Div. of Labor Standards. 12 pp. (1945) For sale by Supt. of Documents, Washington 25, D.C. Price 5 cents.

This pamphlet is one of a series on common chemical hazards, and contains basic information on uses, properties and hazards. Figures on physiological response, tabulated from several sources, include: permissible

those of large capacity producing the highest concentrations. Contrasting tests obtained at shrinking operations in large, ventilated spaces showed that the resulting concentrations of oxides of nitrogen were noticeably less, although in some instances still excessive. Several tests for carbon monoxide failed to indicate the presence of any health hazard from this gas even in confined, unventilated spaces. -- Author's conclusions.

- 363 Transitory Anemia in Benzene Workers. D. Picard, J. Bourret and Mlle. M.M. Peillard. Arch. Malad. Professionnelles, 6, 137-142 (1944-1945) (French)

The authors insist that the present hematological criteria of early benzene poisoning must be adapted to a new and lower level, influenced by present conditions of diet and mode of living. They have observed, during a repeated examination of series of workers exposed to benzene, the fairly frequent occurrence of anemia, which is transitory, easily curable even without cessation of exposure, and which differs from true benzene anemia chiefly in the absence of leucopenia or even any considerable neutropenia. This transitory anemia is characterized by a low red cell count with a fairly high hemoglobin value so that the color index is usually above 1. The authors believe that it is not a manifestation of a specific benzene effect, but of an instability of the hemopoietic system, due possibly to the interaction of the two factors, benzene exposure and alimentary inadequacy. They agreed that systematic blood examinations of benzene workers are valuable in revealing latent blood disturbance, and are more than ever necessary in order to discriminate between workers who must be removed from exposure and those whose transitory anemia makes this unnecessary, but state that they cannot be used to distinguish susceptible individuals and that they may give rise to a false sense of security. -- Bull. Hyg.

- 364 Carbon Tetrachloride. A Report on its Use in Broaching Operations. R.H. Avery and L. Davis. Nat. Safety News, 53, 89, 138-140 (Oct., 1945)

Broaching is a method commonly used in machine shops for the finishing of square, rectangular or irregular shaped holes. It requires the generous use of cutting oils. In the authors' paper, air samples were taken when the cutting oil was diluted with 10% carbon tetrachloride and again with 15%. In the former case, air samples showed a maximum concentration of 44 ppm and an average of 22. With the use of 15% carbon tetrachloride, air concentrations rose to 71 ppm. with a peak value of 104. The 15% material also resulted in complaints by the workers. The authors recommended the use of the 10% mixture, but if higher concentrations are found necessary, special ventilation should be installed. -- J.I.H.&T.

- 365 Toxic Amblyopia After Inhalation of Methyl Acetate. A. Lund. Ugeskrift. Laeger, 106, 308-311 (1944) (Scandinavian)

An old man who was exposed to methyl acetate vapors developed general depression, headaches, and dizziness followed by blindness of both eyes caused by atrophy of the optic nerve. Possibly either methanol or formaldehyde is formed from methyl acetate in the organism. -- C.A.

- 366 Pathology of Methyl Bromide Poisoning. M. Duvoir and L. Derobert. Arch. Malad. Professionnelles, 6, 149-154 (1944-1945) (French)

A description is given of the post-mortem findings in the two fatal cases of methyl bromide poisoning described by Michaux and others. Compared to a case recorded by the authors in 1937 the two

- 270 Studies on Bends. H.L. Motley, H.I. Chinn and F.A. Odell.
J. Aviation Med., 16, 210-234 (Aug., 1945)

A detailed statistical study of more than 9,500 cases of bends. Susceptibility to bends increases with age, body weight, height, obesity (weight divided by height). Bends occurred in Negroes less than in American Whites, and in the French less than in Negroes. Fifty per cent of cases were relieved by an increase in pressure of 100 mm. of mercury; 30 per cent, by an increase of 130 mm. of mercury. At higher altitudes, greater increases in pressure were necessary to relieve symptoms. Pain was most frequent in the shoulders, least in the fingers and feet. Recurrence of bends in a particular part of the body was more frequent than could be expected on the basis of random chance. Significance of the data is discussed. -- J.I.M.M.

- 271 An Experimental Investigation of the Effect of Change in Atmospheric Conditions and Noise Upon Performance. M.S. Viteles and K.R. Smith. Heat., Piping and Air Cond., 19, 107-112 (Mar., 1946)

The following tentative conclusions may be drawn from a consideration of the results: (1) The findings suggest that there is no need to provide equipment for the reduction of effective temperatures below the 80 deg level where tasks of the type included in this investigation are to be performed. "These tasks are roughly analogous to operations carried on by personnel in the plotting and charting rooms of Naval vessels." There is some evidence that it may be undesirable to do this type of work at effective temperatures as high as 87 deg but further investigation, within this range of approximately 87 deg to 94 deg is required to determine more exactly the critical level of temperature. (2) The evidence suggests that it is unnecessary to undertake considerable expenditure of funds to reduce the noise involved in the cooling and circulation of air, at least if such noise does not rise above the 90 decibel level. In general it would appear that the effect of high temperature on performance is much more adverse than that of high level of noises of the type reproduced in this experiment. -- From Authors' summary and conclusions.

- Toxic Effects of 2,2 bis (p-Chlorophenyl) 1,1,1-Trichloroethane (DDT) in Man. R.A.M. Case. Brit. Med. J., 2, 842-844 (Dec. 15, 1945)

The only case of human intoxication by DDT previously reported was by Wigglesworth (Abst. 1243, Dec., 1945). An investigation was made on two men to determine the possible toxic effect of the use of a distemper containing 2% by weight of the dry film of DDT in circumstances where the paint would be covered with a thin film of oil. The ambient temperature would be such that personnel at risk would be largely unclothed, their skin would be oily and sweaty, because of cramped accommodations. Large areas of oily skin would come in contact with the paint and efficient washing of the body could take place only at relatively infrequent intervals. After exposure the symptoms included changes in reflexes and in auditory acuity, patchy peripheral anesthesia, tremor, fall in systolic pressure, and hematologic changes. It is emphasized that DDT may be a hazard to human beings but not in the amounts commonly used. -- J.A.M.A.

- 272 Fatal Case of DDT Poisoning in Child, with Account of Two Accidental Deaths in Dogs. K.R. Hill and G. Robinson. Brit. J. Med., 2, 845-848 (Dec. 15, 1945)

A case is reported in which a child, aged one year and seven months drank about one ounce of 5% DDT in kerosene. In 10 minutes he began to cough and vomit, then became comatose and had convulsions. Death was

Skin Diseases and Burns

- 377 Rubber Products as Widespread Cause of Eczema: Report of 80 Cases.
P. Bonnevie and P.V. Marcusen. Acta-Dermato-Venereologica, 25, 163
(Sept., 1944) (Swedish)

A systematic investigation at the department of dermatology of the Finsen Institute, Copenhagen, showed that eczema caused by rubber is of rather widespread occurrence and not confined to certain occupations as previously supposed. Of the 80 reported cases, representing about 2 per cent of the cases of hypersensitivity eczema, only 25 were occupational. Rubber footwear and articles of clothing were the dominating causes of the eczema (about 74 per cent). Eruptions on the feet caused by rubber were in most cases difficult to differentiate from mycotic eczema. Etiologically the rubber itself was subordinate in relation to the accelerator agents used in manufacture. Of these mercaptobenzothiazole was the most frequent cause of sensitization. The prophylaxis of rubber eczema is sometimes difficult on account of the widespread use of rubber, its indispensability in certain garments and the penetration of the accelerator agents. Cold-vulcanized rubber can often be tolerated in cases in which there is only accelerator hypersensitivity. — J.A.M.A.

- 378 A Skin Eruption Due to Mite-Infested Tobacco. I. Rokstad.
Nordisk Med., 27, 1545-1548 (1945) (Norwegian)

Twelve women working in a Norwegian tobacco factory developed an itching red papular eruption; in one case it covered face, neck, thorax and flexor aspect of arms, while in the remaining cases it was limited to the face and neck or between the fingers. The work, which was very dusty, consisted of emptying cases of tobacco spoilt during storage. The eruption appeared on the first day of exposure to the dust, and passed off from two to seven days after the work was discontinued. The general clinical picture resembled a previous outbreak which had been traced to figs infested with mites, and examination of samples of the spoilt tobacco showed that it contained mites in large numbers. When mites were rubbed into the skin of 22 subjects (eight cases of eruption and 14 normal persons) a red papular eruption appeared after 48 to 72 hours in seven of them (three eruption cases and four normal subjects). The author was able to show that the eruption was not due to sensitivity to tobacco, but was probably due to some unknown toxic substance in the mites. It was not possible to identify the mites; two kinds were present in the tobacco. — Bull. Hyg.

- 379 Dermatitis Among Workers Employed in the Citrus By-Product Industry.
M. Seidmann. Harefuah (Jerusalem), 29, 125-128 (Sept. 16, 1945) (Hebrew)

"Dermatitis among workers employed in the citrus by-product industry is studied. Factories and groves were visited. Patch tests were performed and 40 cases were under clinical observation for about two years. The following observations were made: Crude citrus oil is a primary irritant. Diluted solutions, as used in industrial manipulations, cause dermatitis among sensitive persons. The clinical picture is of a recurrent dermatitis on the hands and arms with acute, subacute, and eczematous symptoms. Devices were proposed to protect workers." — Bull. Hyg.

burns, the results from this material in the third degree and "second degree spot" burns indicate a soothing effect of an ointment, reduced infection, decreased fluid loss, and accelerated repair. Wider trial is desired for this material. -- J.I.H.&T.

- 335 The Treatment of Eye Burns with Albucid. A.Z. Goldenberg.
Viestnik Oft., 23, 42 (1944) (Russian)

Very encouraging results are reported from use of a 30 per cent Albucid ointment in 45 cases (half of them severe) including chemical and thermal burns and one due to an explosion -- Am J Ophth.

- 336 A Case of Burns Associated with Bilateral Retinitis. A.L. Newson and K.B. Armstrong. Med. J. Australia, 1, 459 (May 5, 1945)

A soldier received an extensive second-degree burn by accidental ignition of low-octane gas. Toxic symptoms developed on the second and third days. On the second day of illness the patient complained of blurred vision, and this persisted. When the vision was tested two weeks later he could count with each eye merely fingers at four feet distance. In each eye the macula was surrounded by a large white area somewhat similar to that seen in malignant hypertension. In the center of the area was a dull-red spot. Five to six smaller patches were scattered over the posterior portion of each fundus, but only one small hemorrhage was seen. A month later vision had improved to 6/36 in each eye. The peripheral patches had been largely absorbed and those around the macula were in course of absorption. -- Am. J. Ophth.

- 337 Cleansing of Oil-Covered Skin and Burns. L. Schwartz and H.S. Mason.
Arch. Surg., 51, 55-58 (July-Aug., 1945)

[In this investigation of the cleansing of oil-covered skin and burns, 165 surface-active agents manufactured in the United States and commercially available were systematically studied.] Some 350 mixtures of single surface-active agents in combination with both light and heavy liquid petrolatum (purified mineral oil) were the subjects of approximately 700 tests of comparative activity in removing heavy fuel oil and tar from the skin. The test oils employed were heavy and light fuel oils. [Three mixtures of surface-active agents were found capable of completely removing heavy fuel oil without ostensible mechanical action in the course of three fifteen minute applications on surgical gauze but were also found to have poor detergency. Dioctyl sodium sulfosuccinate in 10 per cent light liquid petrolatum solution had good detergency and high activity as an oil remover in dressing form.] -- Authors' summary.

Industrial Medical Practice

- 338 The Relationship Between the Industrial Physician and the Community Practitioner. C. Leggo. Ind. Med., 15, 137-138 (Mar., 1946)

Nine situations are described where the plant physician should be expected to initiate the referral to community physician; such cases include certain types of surgery, tuberculosis, heart conditions, syphilis, eye or dental defects, communicable diseases, and others. On the other

and the tibialis posterior as the cause. Physical findings and X-ray serve to diagnose the condition. In the army, patients were kept three weeks at bed rest without a cast and then returned to duty after a 2-4 week reconditioning program. Approximately 99% of the patients made a good recovery without residual symptoms. — J.I.H.&T.

- 392 A Medical Service Plan Suitable for Chemical Industry - In "Current Developments in Plant Management." W. von Pechmann. Ind. and Eng. Chem., 38, 87-88 (Mar., 1946)

The "Bloom plan", from its experimental stage in 1929 to a full-grown industrial service in 1945 was developed in the Ansco Division of the General Aniline and Film Corporation. For the first four years a group of physicians was selected to provide the necessary medical service under contract but in 1933 it was reorganized to permit employees to choose their own physicians, which plan was far more successful. Since family physicians could be retained, all practitioners had a stake in the success of the enterprise, and all were assured of their pay. The fees are \$1.20 a month and the company pays 75¢ for each member. Benefits include teeth extraction, X-ray, laboratory, and sickness insurance for hospitalization. Wives and dependent children under 13 pay \$1.50 a month and are entitled to operation, hospitalization for 30 days a year at \$2.00 a day, care of fractures, and maternity care. The great advantage of the "Bloom plan" is that it can readily be adapted for any kind of industry and the cost can be set at a figure to ensure success. Also, in cooperation with the medical society, this type of service can be provided to industrial workers on the basis of freedom of choice of physicians.

- 393 The Copper Ionization Treatment of Fungous Infections. W.J. Lahey and J.E. Burns. Naval Med. Bull., 46, 554-557 (Apr., 1946)

This report covers 154 cases over a period of six months. (1) Our experience indicates that the copper ionization bath is a safe and valuable method of treatment of fungous infection of the types described. (2) An appreciable number of cases shows persistent scaling or fissuring of the skin despite disappearance of all acute signs. These require the supplementary use of keratolytic agents to complete the healing process. (3) The method possesses certain advantages over the usual forms of therapy. Chronic cases are generally benefited. The vexing problem of "overtreatment" is by-passed. The procedure is simple and uniform in its application. The apparatus necessary is easily constructed from scrap material and requires little servicing. The over-all cost of treatment is minimal. These factors are of particular significance in military medicine. — Authors' conclusions.

- 394 Epidemic Keratoconjunctivitis. Clinical Aspects and Successful Treatment. O. Glantz. Klin W. f. Augenh., 106, 561-571 (May., 1941) (German)

A report about 312 cases of epidemic keratoconjunctivitis treated in Glantz's practice during 1938-1940. The majority (190) were spontaneous and of undetermined etiology. The rest occurred after: removal of corneal foreign bodies, other corneal lesions, chemical burns, lid abscesses, and removal of chalazion or lime concretion or pterygium. The main treatment was with optochin hydrochloride 1 per cent solution, which the author regards as a specific for the condition. The average duration was seven days. -- Am. J. Ophth.

- 398 The One-Eyed Worker. J. Minton. Brit. J. Ophth., 29, 472-476 (Sept., 1945)

One-eyed people fall into two groups: (1) those who have been without one eye since childhood and (2) those who have lost the vision of one eye as the result of injury or sickness. The first group are not handicapped. In the second group the degree of depth perception acquired depends on (1) intelligence and experience; (2) age - young workmen adjust more quickly; (3) sex - women adjust more slowly; (4) the loss of the dominant or master eye produces greater disability. Factors in the length of the period of absence from work are: fear, compensation and litigation difficulties, and unwillingness of certain firms to employ one-eyed workers. The safety of the good eye should be the first consideration in the employment of these workers. -- From J.I.H.&T.

- 399 Teamwork for Industrial Health. J.J. Bloomfield.
Am. J. Pub. Health, 36, 261-268 (Mar., 1946)

We have learned that we must bring the benefits of modern medicine and hygiene to industrial workers and to provide a safe and healthful environment, adequate medical and nursing service, preplacement and periodic health examinations, general health education, proper feeding facilities, and essential welfare services. During the war we accomplished much which seemed impossible. For example, in 1945, there were only three deaths from TNT poisoning among approximately 100,000 employees engaged in TNT operations; in World War I there were 230 deaths for every billion pounds of explosives manufactured as compared with only five deaths during this war. Assistance in developing such medical services is available in our communities but in order to have a well coordinated program, all of the people, not only employers and employees, must take an active part. We have the brains, the man power and natural resources to build the healthiest nation in the world. -- From Author's summary.

- 400 Three-Cornered Cooperation - How the Safety, Medical and Personnel Divisions Fit into the Industrial Picture. J.S. Felton. Nat. Safety News, pp. 26-27, 102, 106 (Feb., 1946)

For the successful operation of any industrial health scheme there must be unified cooperation among all departments and each member of the operating staff must follow certain basic principles such as knowing his workers, going into the shops and understanding all phases of the work and working conditions, learning and using the workers' vocabulary, and avoiding a "superior" attitude. Likewise, all plant agencies should cooperate with other medical, employment and social service organizations of the community.

Putting the Disabled Veteran Back to Work

- 401 A Discussion of the Psychiatric Aspects of Rehabilitation.

J.E. Finesinger and E. Lindemann. Dis. Nerv. System, 6, 149-155 (May, 1945)

The role of the psychiatrist in helping veterans to readjust to civilian life is discussed. Psychological factors which enter into the problem are the effect of army life changes in home setting, and readjustment

activities and indicates restrictions as to working conditions. Space is provided on each form for brief explanatory remarks. The forms are accomplished independently by trained personnel. The problem then becomes merely one of fitting the individual to the job, and in this respect those with physical abnormalities are considered on the same basis as those without. A large part of the pamphlet is devoted to the description of specific physical disabilities and their evaluations which will prove of great value in standardizing physical appraisal. — J.I.H.&T.

- 406 The Physically Impaired Worker in Industry. R.L. Brown and R.L.C. Butsch. Ind. Med., 15, 188-192 (Mar., 1946)

Emphasis in this paper is placed on a simple, workable formula for the analysis of the physical requirements of jobs. It describes the method of examining, limiting and coding physically impaired workers by the use of tabulating cards. The results of a study of 1,757 physically impaired individuals hired at a large aircraft plant during the year 1944 are presented. It is concluded that with proper placement the physically impaired worker is an asset and not a liability in industry. — From Authors' summary.

- 407 The Present and Future Effects of War Neuroses. C.C. Burlingame. J. Nerv. and Ment. Dis., 101, 429-433 (May, 1945)

Besides a large number of neurotics among service men, there is another large group among workers who are faced with new strange problems concerning their jobs, their domestic affairs, and their social relationships. There are too many of these cases for psychiatrists to handle on a personal and individual basis. Psychiatrists must work through social organizations — especially industrial management and labor groups. The author believes that proper adjustment to a job is a cardinal factor in rehabilitation, and that therefore, supervisory personnel and foremen should receive particular training from psychiatrists. — J.I.H.&T.

- 408 Physical Capacity for Work. V.K. Harvey and E.P. Luongo. Occ. Med., 1, 1-47 (Jan., 1946)

Examination of a human being to find what work he is fit for involves knowledge of a method not yet possessed by medical science, namely, a method of estimating reserve compensation. Present technics of measuring job requirements and physical capacities are only reasonable guides. They have value only as guides since there is a substantial margin of error both in the determination of the requirements of the job and in the physical evaluation and selective placement of the applicant. In the final analysis, regardless of what systems of job analysis and of evaluation of working capacity are used, the two most important factors in estimating physical capacity for work is the diagnostic acumen of the examining physician and his knowledge of industrial conditions. In this connection, the future of the physically impaired in government or private industry will be as good as the type of preventive industrial medical service which management is willing to provide. The future of industrial medicine is closely allied to "human engineering" in the promotion of individual physical and mental hygiene, nutritional guidance, physical training and control of fatigue and in the aiding of management in the selection of employees for specific types of work. In this connection, periodic reexamination of employees and jobs probably should be mandatory, especially in the case of the physically impaired. The "must" in dealing with the applicant for work who presents an impairment, whether he is a veteran or a non-veteran, is to give him a fair chance to make good under his own

Insurance and Medical Economics

- 411 Occupational Dermatoses: Disability and Compensation. C.G. Lane.
New Eng. J. Med., 233, 711-715 (Dec. 13, 1945)

Data on compensation paid during disability due to occupational dermatoses, medical expenses, amount of wages lost, and duration of disability are presented. Although incomplete, the figures show a steady rise in the incidence of dermatoses adjudged compensable, and falls in the average number of days lost, average indemnity, and average cost of medical care. More adequate data on these points are greatly to be desired; adoption of uniform criteria for compensable occupational dermatosis is also desirable. The criteria published in 1942 by the National Committee on Occupational Dermatoses are to be recommended for this purpose. — J.I.H.&T.

Laboratory Toxicological Studies

- 412 Toxicology of 1,2-Dichloropropane (Propylene Dichloride). I. Studies on Effects of Daily Inhalations. L.A. Heppel, P.A. Neal, B. Highman and V.T. Porterfield. J. Ind. Hyg. and Tox., 28, 1-8 (Jan., 1946)

Various species of animals received simultaneous inhalation exposures to 1,2-dichloropropane. Many deaths occurred among rats, guinea pigs and rabbits receiving less than eight exposures to 2200 ppm. At a concentration of 1000 ppm, deaths occurred among dogs after 24 exposures, among guinea pigs after 22 exposures and among rats after as few as seven exposures. Some of the animals survived over 100 exposures. The animals were exposed seven hours daily and nearly always five days a week. Animals dying after less than 12 exposures often showed marked visceral congestion, fatty degeneration of the liver, kidney and less frequently the heart, and areas of coagulation necrosis in the liver. The adrenal cortex showed marked lipid depletion in several rats and extensive necrosis in the guinea pigs. In general, except for marked splenic hemosiderosis particularly noted in rats and subcortical fibrosis of the adrenal in guinea pigs, animals killed after 35 or more exposures showed no significant or occasional minimal lesions. Hematological studies of dogs and rabbits revealed no abnormalities. The liver was not damaged to any extent. Determinations of the concentration of dichloropropane in the blood of exposed rabbits and dogs were made. Exposed rats, mice, and guinea pigs excreted a substance in the urine that produced a red color when the urine was dried on wood shavings. — From Authors' summary.

- 413 Degeneration of the Basal Ganglia in Monkeys from Chronic Carbon Disulfide Poisoning. R. Richter. J. Neuropath. and Exper. Neurology, 4, 324-353 (Oct., 1945)

(1) Four monkeys (*Macaca mulatta*) were chronically poisoned with carbon disulfide by exposing them to inhalation of the vapor for periods of from 12 to 21 months, when marked symptoms of intoxication appeared.

cortex respiration. Liver respiration is stimulated in subcutaneous and reduced in peritoneal administration. The absence of effect on the cerebral cortex respiration, while the respiration of the muscle tissue of the diaphragm is reduced, would suggest that the hypothermia of arsenic poisoning is influenced more by a decreased rate of energy metabolism of the individual tissues than by a direct effect on the temperature regulating center in the central nervous system. — Authors' summary.

Public Health

- 418 Britain's National Health Act. Editorial.
J.A.M.A., 130, 858-859 (Mar. 30, 1946)

The proposal for the nationalization of medical services in Great Britain is condemned by the writer as "one of the most backward steps ever conceived for a civilized nation" and a proposal "to enslave its own medical profession" to the "whims of bureaucrats" and the encumbrances of red tape. Further fear is expressed that standardization will rob the medical profession of its scope for individuality and will halt the tremendous advances that have been made in scientific medicine. The proposal that the government take over the private hospitals is deplorable, as it would remove the spiritual motive in the care of the sick. Hope is expressed that the long debate in the British parliament, which is inevitable, "will develop some means for retaining in Great Britain the spirit and the tradition that have earned for British medicine up to now the respect of scientists throughout the world".

- 419 Water-Borne Outbreak of Gastroenteritis in an Industry. L. Louis.
Monthly Bull. Ind. State Board of Health, 49, 35, 43 (Feb., 1946)

An outbreak of water-borne gastroenteritis occurred in January, 1946 in an industry in a small town in north-central Indiana. Approximately 30 out of 100 employees were affected. [There were three sources of water supply, with cross connections, and the cause of the epidemic was traced to failure to close the proper valves when changing the source of some of the water supply.] The water was later purified by thorough flushing, and the cross-connections will be eliminated in accordance with State regulations.

- 420 Industrialization of India and Its Likely Effect on Tuberculosis Problems.
P.K. Sen. Indian Med. Gaz., 80, 35-41 (Jan., 1945)

Concern is expressed that the imminent large-scale industrialization of India and the employment of workers from rural areas may be attended by a heavy toll of tuberculosis. Control of new entrants is given as the key point. Placements or rejections should be made on the basis of tuberculin tests. Crowded living conditions, feeling of insecurity on the part of the workers, and insufficient wages are problems to be dealt with by the Planning Committee. — From Bull. Hyg.

programs. Centralized control and complete standardization were established for all war industries. A hot meal, which conformed to the best nutritional principles was served in 20 minutes on all three shifts at a cost which the worker could afford. In addition to these cafeterias, the government gave encouragement and advice to employers in private industry to establish cafeterias which would carry on beyond the war period. These works cafeterias are considered a better means of nutrition education than propaganda. -- From Can. Med. Assoc. J.

Miscellaneous

- 425 Psychological and Psychiatric Reactions in Diving and in Submarine Warfare. A.R. Behncke. Am. J. Psychiat., 101, 720-725 (May, 1945)

The author describes certain objective measures, outside of physiological and psychomotor tests, which have proved useful in the selection of submarine personnel. These measures include the darkened hood, confinement in a sealed chamber, and subjection to anoxia and nitrogen narcosis. The first two are tests for claustrophobia, and anoxia and exposure to nitrogen under pressure bring to light any undesirable emotional reaction. The author stresses the importance of prevention of psychological failure in normal individuals as the result of extreme fatigue. Apart from the matter of proper rest, the individual can be aided by knowledge and insight as to the nature of normal reaction to stress.

- 426 Amenities in War Time Factories. Australia Dept. of Labor and National Service, Ind. Welfare Division. Bull. No. 5. 32 pp. (1945)

"Amenities" is used to cover those parts of the factory that are necessary for the accommodation of employees — toilets, wash rooms, change-rooms, mess room and provision for first aid. The standards described are broadly consistent with requirements contained in regulations applying to industrial premises, such as those of State Factories and Shop Acts and local government ordinances and by-laws. The descriptions of installations in the various amenities rooms are accompanied by photographs and diagrams.

- 427 Let There be Light - at Least Enough for Reading in Libraries.

R.M. Stecher. Bull. Med. Library Assoc., 33, 220-230 (Apr., 1945)

Considerable improvement is desirable and possible in the conditions of artificial lighting commonly found in libraries. Generally diffused lighting is recommended, with a level of illumination at least as high as 25 foot candles, where continuous reading or study may be carried on for periods of an hour or more. For the study of poorly printed material, old manuscripts, fine or unfamiliar writing or printing, as well as sustained reading for several hours, and for the use of people with impaired vision, the general level of illumination should be increased, or supplementary lighting should be employed.

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DEFENDANT'S
EXHIBIT
55

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Owens-Corning serves a broad range of industries as the world's leading manufacturer of fiber glass materials and a major producer of polyester resins.

The Company's Two Lines of Business

- Construction Products — insulation and roofing. Sold for new residential and commercial construction, home repair and remodeling, commercial renovation, mobile home production and appliances. The company also produces corrosion-resistant underground petroleum storage tanks.
- Industrial Materials — reinforcements, yarns and resins. Used as substitutes for traditional materials such as steel, wood and aluminum for design and performance advantages.

The Properties of Fiber Glass

Owens-Corning's products are manufactured in two basic forms:

- Wool-like material used for thermal and acoustical insulation and other construction products.
- Textile filaments combined into strands, yarns or mats and used for reinforcing plastic, rubber and paper products and for weaving industrial fabrics.

Glass in fiber form combines properties not found in any other material, including:

- Dimensional stability — will not expand or contract as temperatures change.
- Chemically inert — will not rust or decay.
- Fire resistant.
- Strength — pound for pound, glass fiber reinforcements have six times the tensile strength of steel.

The color "Pink" is a trademark of Owens-Corning Fiberglas Corporation.

The words Fiberglas, Classic,* Oakridge,* SpaceSaver,* SSL II,* Atryl,* Bi-Ply,* PermaPly,* and PermaMop* are registered trademarks of Owens-Corning Fiberglas Corporation.*

Financial Highlights

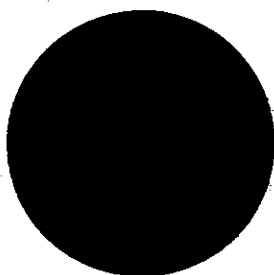
(In millions of dollars, except per share data and where noted)

	1991	1990	1989
Net Sales	\$ 2,783	\$ 3,069	\$ 2,964
Income (loss) from operations	(628)	293	432
Provision (credit) for income taxes	(238)	58	103
Net Income (Loss)	(742)	73	172
As a percent of net sales	N/M	2%	6%
Per Share Information			
Income (loss) before extraordinary item and cumulative effect of accounting change	\$ (12.58)	\$ 1.78	\$ 4.08
Extraordinary loss from early retirement of debt	—	(.05)	—
Cumulative effect of accounting change for other postretirement benefits	(5.55)	—	—
Net Income (Loss)	\$ (18.13)	\$ 1.73	\$ 4.08
Capital spending	\$ 96	\$ 121	\$ 125
Total assets	\$ 2,106	\$ 1,807	\$ 1,924
Total debt	\$ 1,172	\$ 1,300	\$ 1,482
Average number of employees	17,300	18,400	19,600
Shares outstanding (as of December 31)	41,651,754	40,580,833	40,357,843

N/M = Not meaningful

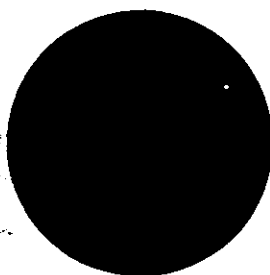
Segment Data

Net Sales \$2,892*
(In millions of dollars)



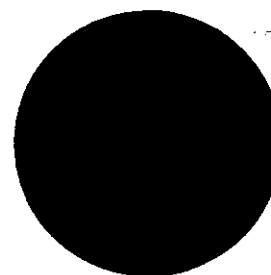
■ Construction Products \$1,840
■ Industrial Materials \$1,052

Operating Profit \$237
(In millions of dollars)



■ Construction Products \$105
■ Industrial Materials \$132

Assets \$1,465
(In millions of dollars)



■ Construction Products \$798
■ Industrial Materials \$667

*Segment data includes intercompany transactions.

Note: The above data does not include any charges for asbestos or the accounting change for other postretirement benefits.

Dear Stockholder:



Glen H. Hiner
Chairman and
Chief Executive Officer

When I decided to join Owens-Corning after a 35-year career with General Electric, it was clear to me that this Company had many strengths — leadership in its markets and technology, a strong brand franchise, an excellent cash generation ability, capable, dedicated employees — and many promising opportunities.

Now that I have become part of the Owens-Corning team, it is even clearer to me that the Company is capable of achieving considerable growth: growth in market share and through global expansion into new markets, growth in new products and in extensions of product lines, growth in revenues — and growth in earnings.

But to achieve growth, we will have to refocus and reenergize our efforts. While our action agenda has not yet been completed, we have begun to take the steps necessary to realize our potential. For starters, we will accelerate our internal growth by focusing more of our research and development effort on new products. Likewise, we will reinforce and accelerate programs to continuously improve our cost performance, as well as customer satisfaction.

In pursuing our action agenda, we will be guided by three priorities:

- **Customer Satisfaction** — gained through highest quality, lowest cost products and service beyond comparison. Measurement will be in market share.
- **Individual Dignity** — recognizing at all times the rights of individuals, which in turn will make Owens-Corning the preferred place of employment.
- **Shareholder Value** — to insure that our stockholders receive maximum value for the trust they have placed in us. And, to recognize that relationships with our other constituencies, including government, suppliers and communities, also add to the value of our enterprise.

As I write this letter, we have already completed an important step to address the issue of shareholder value. In the fourth quarter of 1991, we took a special noncash charge of \$800 million to accrue for the estimated uninsured cost of future asbestos claims the Company may receive through the balance of the decade.

We have taken this action to put the asbestos situation behind us, but we will not stop fighting the asbestos litigation battle. On the contrary, while we are a compassionate company and believe in fairly compensating people who have been exposed to and injured by our products, we are committed to litigating aggressively when plaintiffs have no physical impairment or exposure to our products.

With this charge, we can now concentrate on our ongoing operations. In 1991, despite some of the worst economic conditions in many decades, Owens-Corning's performance was reasonable, with both operating groups gaining market share and showing improved operating margins in the fourth quarter as a result of our continuing efforts to control costs.

Before non-recurring charges for asbestos and for other postretirement benefits, the Company's net income in 1991 was \$22 million, or \$.54 per share. Including the special charges, Owens-Corning reported a net loss of \$742 million, or \$18.13 per share, for the year. Consolidated net sales in 1991 were \$2.8 billion, compared with \$3.1 billion in 1990.

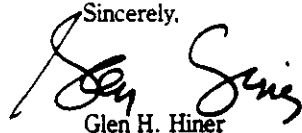
More importantly, the businesses continued to generate strong cash flow, enabling the Company to reduce debt by \$128 million to \$1.17 billion, down from a high of \$2.5 billion in 1986. Debt reduction will continue to receive a high priority for the use of our free cash flow.

In the year ahead, we expect a gradual improvement in many of our major markets, particularly if the proposed incentives for home building spur construction starts in the U.S., and we are planning accordingly. Our objective for 1992 is to improve earnings in every quarter as compared to the year-ago period. By continuing our focus on running our operations efficiently, enhancing our market leadership and strengthening our balance sheet, we will be able to achieve that objective.

Owens-Corning has come a long way in recent years, weathering an unwanted takeover attempt and subsequent restructuring, an extremely difficult economic environment and a liability issue that had nothing to do with the ongoing operations of the Company. It is a tribute to the leadership of my predecessors, Max Weber and Bill Boeschstein, that the Company was able to overcome these obstacles and maintain its leadership position around the world.

With your continued support, we can build on the legacy left by Max and Bill and achieve considerable growth in the years ahead.

Sincerely,



Glen H. Hiner

Chairman and Chief Executive Officer



Max O. Weber

At year-end, Max O. Weber, Chairman and Chief Executive Officer, announced he was retiring for health reasons after 37 years with the Company.

Max began his career with Owens-Corning in 1955, when he joined the Kansas City plant as a salesman. For the next 20 years, he held a variety of marketing and management positions in the Construction Products Group. He then made his way up the management ladder as vice president of several operating divisions. Max was named Senior Vice President and President, Construction Products Group, in 1986. He became President and Chief Operating Officer in 1988, and Chairman and Chief Executive Officer in 1990.

As President and later as Chairman, Max helped guide Owens-Corning through its restructuring, cutting costs and creating a more efficient organization well-positioned for the 1990's and beyond. His legacy is Owens-Corning's outstanding reputation around the world as a leader in market share, innovation and customer satisfaction.

Two other senior executives also retired last year. James S. Hearons, Vice President and head of the former International Division, retired after 37 years of service, and C. Peter Hauck, Vice President and Controller, retired after 35 years of service. We are grateful to them and to the other Owens-Corning people who retired in 1991 for their many accomplishments and contributions.

Construction Products Group

The Construction Products Group operates in two principal market segments, primarily in North America.

The Insulation Operating Division offers a broad range of products to the residential and commercial construction markets. The Roofing Products Operating

Division produces residential shingles and commercial roofing materials. Also, the Group recently introduced a line of standard and custom windows.

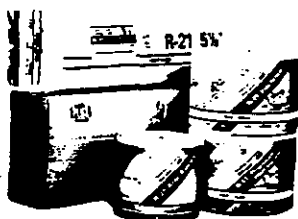
Superior product quality is complemented by unmatched customer service. The Group

supports product sales with consumer promotions and national advertising featuring the Pink Panther. As a result, consumers prefer Owens-Corning insulation products over competitors by a ratio of more than 10-to-1.

Products

Markets

Outlook



Retail insulation rolls offer residential users an easy-to-carry package with installation tips highlighting the Department of Energy's R-value recommendations. Contractor customers appreciate the SpaceSaver[®] packaging and batts in bags for their ease of handling and efficient use of storage space.

Insulation products are sold to contractors, distributors and through retail stores to consumers. Used in single- and multi-family construction, as well as commercial buildings, insulation products provide energy savings, improved comfort and acoustical advantages.

Housing starts in the U.S. are projected to improve moderately. Also, improved building codes will increase the insulation use per unit, allowing for steady growth. Canada, hard hit by recession, has shown steady improvement and is expected to return to a normal level of housing starts in 1992.



Mechanical insulation products include SSL II[®] pipe insulation with a unique, new double seal, pipe and tank insulation, duct systems and a variety of related products: duct liner, duct boards and duct wrap. Also, special insulations are produced for cars and appliances.

Sold primarily through distributors and insulation contractors, these products are used in commercial and industrial buildings to insulate air handling and pipe systems. Specialty products are sold to distributors, fabricators and directly to manufacturers for the automotive and appliance industries.

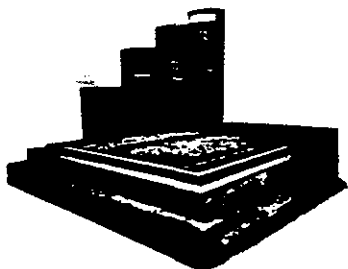
Despite the continued slump in new commercial construction, commercial renovation offers a stable opportunity for mechanical insulation products. Specialty product sales to the appliance and automotive industries will improve with the anticipated upturn in general economic conditions.



The Owens-Corning line of residential roofing products consists of the standard Classic[®] three-tab shingle, Oakridge[®] laminated shingles and the new Shadow series, a more aesthetically pleasing shingle. All shingles feature a heart of Pink Fiberglas[®] mat for superior thermal insulation properties.

Shingles are sold through distributors and retailers to residential roofing and remodeling contractors. The introduction of a high-style product series offers the consumer a broader selection and a distinctive look, while providing contractors with more levels of textured, dimensional-appearance products in rich, vibrant colors.

Reroofing represents 75% of the residential shingle demand. New construction accounts for the remaining 25%. The increase of existing homes and the fact that homes need new roofs on average every 17 years guarantees a rise in reroofing demand well into the next decade.



The commercial roofing line encompasses Owens-Corning roof insulation, PermaPly[®] roofing mat and PermaMop[®] modified asphalt. The Company is also the world leader in industrial roofing asphalts.

Commercial roofing is sold to commercial roofing contractors either directly or through distributors. In addition, asphalt products are sold to industries for use in a variety of other products such as water-proofing systems.

Although commercial construction has been severely depressed, a modest recovery is expected in the near future. The reroofing demand, 75% of sales, will grow due to the large stock of commercial buildings needing replacement roofs in the coming years.

Industrial Materials Group

The Industrial Materials Group comprises several major product categories: reinforcements, textile yarns and resins.

It is the world's largest manufacturer of fiber glass reinforcements and a leading manufacturer of resins. In addition to its United

States operations, it serves expanding markets through subsidiaries in Europe, Canada and Brazil, and affiliates and licensees around the world.

The Group takes a systematic, global approach to defining a customer's needs and determining how to

deliver a quality product to meet those needs. It commits the Company's global technology and research capabilities to improving existing products and creating innovative, revolutionary products for future markets on a worldwide basis.

Products

Markets

Outlook



Textile yarns are fine fiber glass strands, the majority of which are woven into fabrics principally used to reinforce electronic printed circuit boards. Yarns are also used in non-woven applications such as reinforced craft paper, packaging tape and other packaging materials.

Textile yarns are sold to weavers, converters or fabricators, whose products are later used in the electronic, packaging, aerospace and automotive industries. Specialty yarns are also sold as reinforcing agents for fiber optic and auto ignition cables.

A total quality management approach has resulted in market share gains. Globalization has also increased the market reach, opening potential growth markets. There will be continued growth for yarns in the high-performance applications such as printed circuit boards and aerospace fabrics.



Continuous roving is bundled, untwisted strands of fiber glass. It typically is chopped in the customer process and used in spray-up or molded applications. Resin, the other ingredient in fiber glass reinforced composites, is selected for its chemical, electrical and thermal properties.

Rovings are sold directly or through distributors to automotive, construction, marine and corrosion-resistant products manufacturers, or other fabricators and molders. Resins, sold through the same distribution channels, are typically used on cars, boats and bath components.

With most roving and resin being used in the auto/marine industries, volume increases will be weak until those markets rebound. However, automakers are expected to increase use of high-performance Owens-Corning Atryl® resin. New applications will result in more fiber glass usage per vehicle worldwide.



Woven roving is a fabric woven from continuous roving. Reinforcing mats and veils can be made from chopped strands, continuous strands laid down in a swirl pattern, or by a wet-laid process. Resin holds the strands together. Bi-Ply® mat combines woven roving laminated to a chopped strand mat.

Woven rovings and mats are sold directly or through distributors to boat and car manufacturers or other industrial molders or fabricators. Continuous strand mat is used in the growing pultrusion process for industrial and corrosion-resistant applications.

The use of reinforced plastic continues to rise, especially as industries find new applications for pultruded fiber glass reinforced plastic (FRP). New environmental regulations will help increase the demand for FRP in the future, due to its corrosion-resistant properties.



Chopped strands of fiber glass are blended with resins to make compounds for compression or injection molding. The high moisture chemistry of wet processed chopped strands makes them better suited for slurries for mats. Shorter, milled fibers are used to control heat distortion in molded polymers.

Chopped strands are sold to polymer producers who mix them with resins. The reinforced compounds are then sold to molders who make products such as small appliance housings and auto parts. Wet processed chopped strands are used in roofing mats and other specialty glass mats and veils.

The recession has reduced demand for appliances and automotive parts. Orders for durable goods are expected to increase, however, and new applications resulting from improved chopped strand product properties will cause consumption to increase as the economy recovers.

Construction Products Group

ISOLANT

ROSE

FIBERGLAS
CANADA INC.



Owens-Corning
Fiberglas
R-25 Attic Blank



Owens-Corning
FIBERGLAS
Owens-Cor

The Construction Products Group has a long tradition of leadership. Not only are we leaders in market share in every one of our key markets, but we are leaders throughout the construction industry in brand awareness, quality, innovation and — most important of all — customer satisfaction. In 1991, our leadership position served us well. While construction markets in the U.S. and Canada declined by about 11 percent, Owens-Corning's sales were down only eight percent. We leveraged our dominant market position, exceptional brand awareness and strong commitment to customer satisfaction into market share gains across the board.

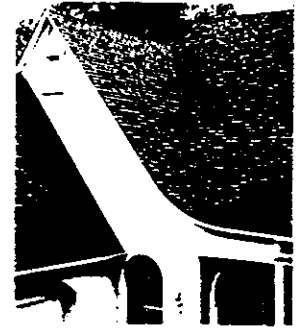
Income from operations decreased in 1991, primarily as a result of lower volume and prices. However, because of aggressive cost reductions and organizational streamlining, productivity — as measured in constant sales dollars per employee — has increased four percent *per year* since 1988, while construction activity decreased by almost 40 percent in the same period.

In the U.S., sales of retail insulation and residential roofing materials were stronger than a year ago. Retail insulation sales were fueled by a number of factors, including the popularity of our new packaging, the effect of special promotions and growing consumer awareness of government and industry recommendations to increase insulation levels. In Canada, which was hit harder by the recession, the economy showed some signs of improvement towards the end of the year. In particular, new housing construction has steadily improved since the first quarter of 1991. Our steps to reduce capacity, downsize the organization and streamline distribution in Canada have enabled some of our businesses there to experience a modest upturn.

Market Share Gains In Insulation

In our U.S. insulation business, demand for insulation products was off 12 percent in 1991, while our sales were off only six percent, due to market share gains in all key insulation markets. Our strategy has two main thrusts: to encourage homeowners to reinsulate with another layer of Fiberglas to achieve a minimum of one foot of insulation in the attic, and to encourage contractors to upgrade by using our new products that offer greater thermal efficiency. We continue to make excellent progress in our upgrading strategy. In fact, the industry sold approximately 40 percent more pounds of insulation in 1991 than in 1982, a year of comparable housing starts.

In the roofing industry, demand was down six percent in 1991, while our sales were off only two percent, as a result of our increased market share in residential roofing. Our new high-style product introductions continue to be well received. The new line of "Shadow" shingles offers consumers a greater selection and a more distinctive look. In addition to broadening our product offerings and increasing our market share, these premium-priced shingles offer the potential for improved margins.



The roofing market remains an outstanding opportunity for increasing the use of fiber glass materials... and has experienced a steady growth over the past 15 years.



Retail insulation sales were fueled by a number of factors, including the popularity of our new packaging, the effect of special promotions and growing consumer awareness of government and industry recommendations to increase insulation levels.

A New Products Division Is Formed

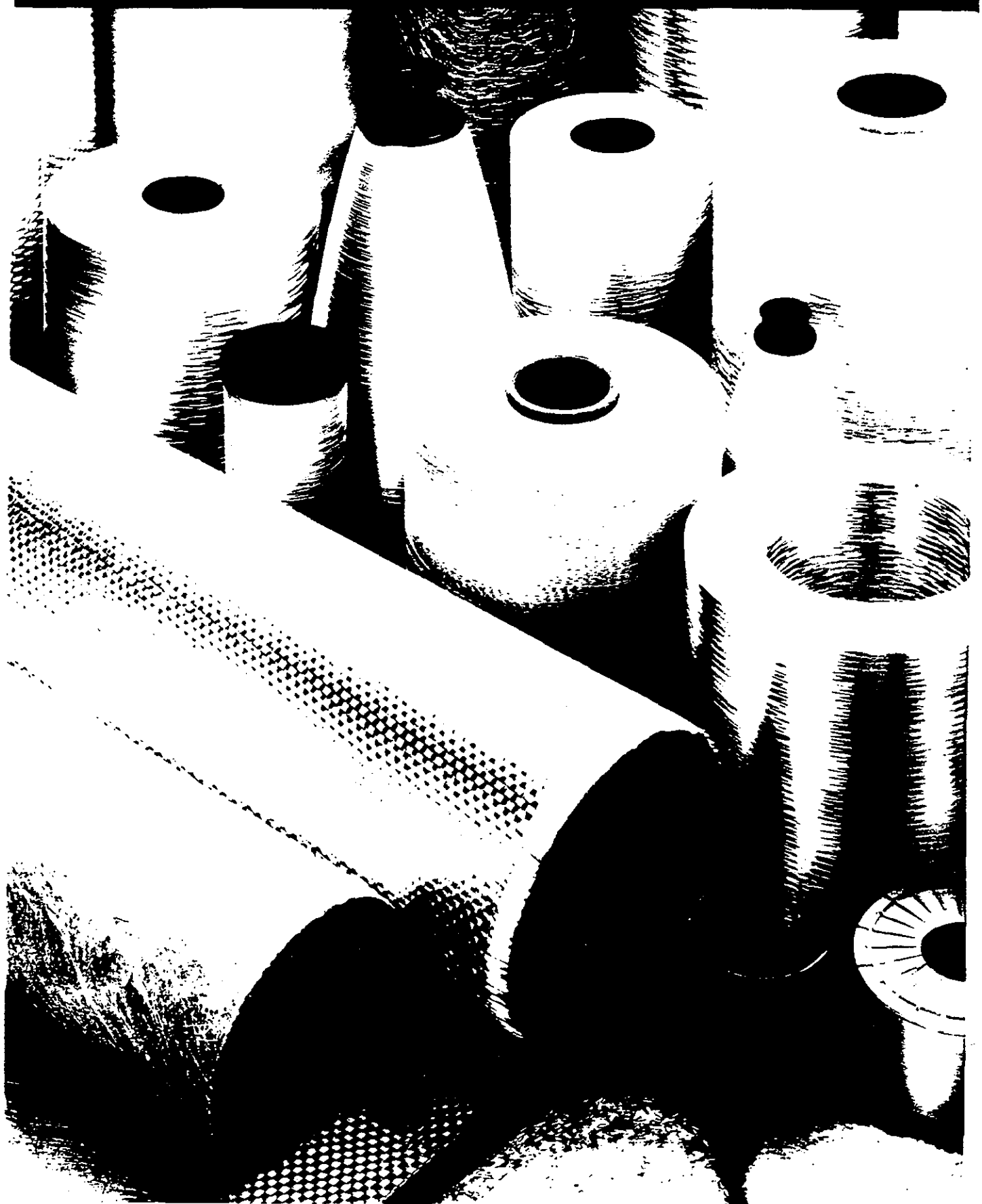
Owens-Corning is a national roofing manufacturer with 14 plants strategically located throughout the U.S. This allows us to respond to the needs of the national retail chains and enables us to respond quickly to regional surges in demand frequently caused by severe storms. The roofing market remains an outstanding opportunity for increasing the use of fiber glass materials. Unlike the more cyclical housing market, the roofing market has experienced a steady growth over the past 15 years. That is because three quarters of roofing demand is for re-roofing, where repairs can be postponed but not ignored. In fact, the housing boom of the 1970's and 1980's will fuel strong re-roofing activity in the 1990's and beyond.

At Owens-Corning, the development of new applications for fiber glass has long been a source of growth. In 1991, this tradition continued as we formed a New Products Division within the Construction Products Group. Initially, the new division is focusing on our new line of window products for the residential construction and replacement markets. The New Products Division will introduce a line of patio doors this year and is developing other product applications utilizing our patented Fibron® technology, which offers a thermal efficiency and durability unmatched by any traditional building material. For half a century now, Owens-Corning has enjoyed tremendous success in replacing traditional building materials with fiber glass.

Looking For Ways To Perfect Our Packaging

One of the Construction Products Group's strategic objectives is to build brand awareness and strengthen our leadership position in the markets we serve. One way we achieve that objective is by conducting extensive market research, including the use of consumer focus groups. In the large photograph on the right, members of our retail insulation marketing team review data from a consumer focus group. Their goal is to find new ways to perfect our retail insulation packaging, which features the Pink Panther. Since its introduction in 1990, the new packaging has continued to win praise — and new customers. As the inset photograph shows, the new poly-enclosed rolls are easy to carry and can be stacked to create dramatic displays.





The Industrial Materials Group is a global enterprise. With manufacturing facilities in the U.S., Canada, Brazil, and Europe, as well as joint ventures, affiliates and licensees on every continent, Owens-Corning is the world's leading producer of fiber glass reinforcements and yarns and a major manufacturer of polyester resins. These products, which enhance the performance of composite materials such as plastics, are used in a wide spectrum of applications, ranging from automotive parts to electronic circuit boards.

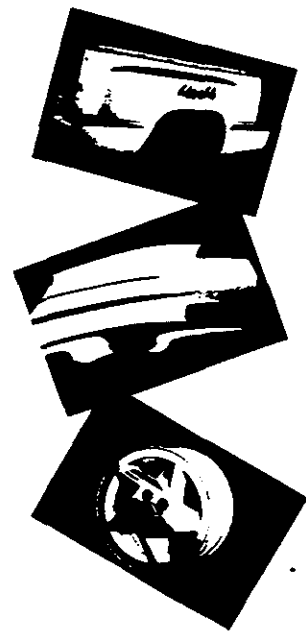
The financial performance of the Industrial Materials Group in 1991 was lower than the year before, reflecting the continuing economic sluggishness in many of our markets throughout the world. In the U.S., demand for durable goods remained poor, although there was some improvement toward the end of the year. The slowdown in the European economy, which began in the second half of 1990, continued in 1991 with few indications of any kind of upturn on the horizon. And in Brazil, the economy softened further as a result of the government's restrictive monetary policies to restrain inflation.

A "Best Practices" Approach

Our strategy reflects the global scope and strengths of Owens-Corning. As a Group and as a Company, we seek to utilize our primary assets — our facilities, equipment, technology and people — with optimal effectiveness around the world.

Following the principles of a total quality management philosophy, our employees at all locations are working together to identify and utilize "best practices" in the way we produce materials and service our customers.

- We are focusing our production of primary products at our most efficient and capable facilities.
- We are entering into joint venture agreements with global manufacturing enterprises to increase our market reach and enhance research productivity. For example, our joint research projects with major customers and suppliers have allowed the development of a significantly stronger glass reinforced molding product for thermoplastics applications. Our technical exchange program with BASF of Germany and Takeda Chemical of Japan continues to make excellent progress. Not only are we gaining from the technical benefits of the exchange program, but it is also providing us with access to important market data and new continuous glass fiber and resin customers and applications.
- We are linking our facilities with a state-of-the-art communications system to foster a multi-cultural, free exchange of ideas. Our on-line information systems have given us the ability to provide customers with an immediate response to orders or material availability requests.



Following the principles of a total quality management philosophy, our employees at all locations are working together to identify and utilize "best practices" in the way we produce materials and service our customers.

We are in a very technical business, and we've gone to great lengths to train our sales and technical service employees so that they are able to define — and in many cases help our customers define — the exact product attributes and service they require to be successful.

• And we are actively seeking new business opportunities in a variety of ways — through the evolution of existing product lines, the development of new product applications, the creation of new joint ventures and the transfer of technologies.

Meeting Our Customers' Needs

In 1991, the Industrial Materials Group continued its emphasis on identifying and understanding customer requirements and meeting those needs better than any of our competitors anywhere in the world.

We are in a very technical business, and we've gone to great lengths to train our sales and technical service employees so that they are able to define — and in many cases help our customers define — the exact product attributes and service they require to be successful.

Our goal is to be our customers' preferred supplier. With awards and recognition from such customers as Milliken, Ford, Pirelli and Avis, to name just a few, it is clear that we are making excellent progress in meeting this objective.

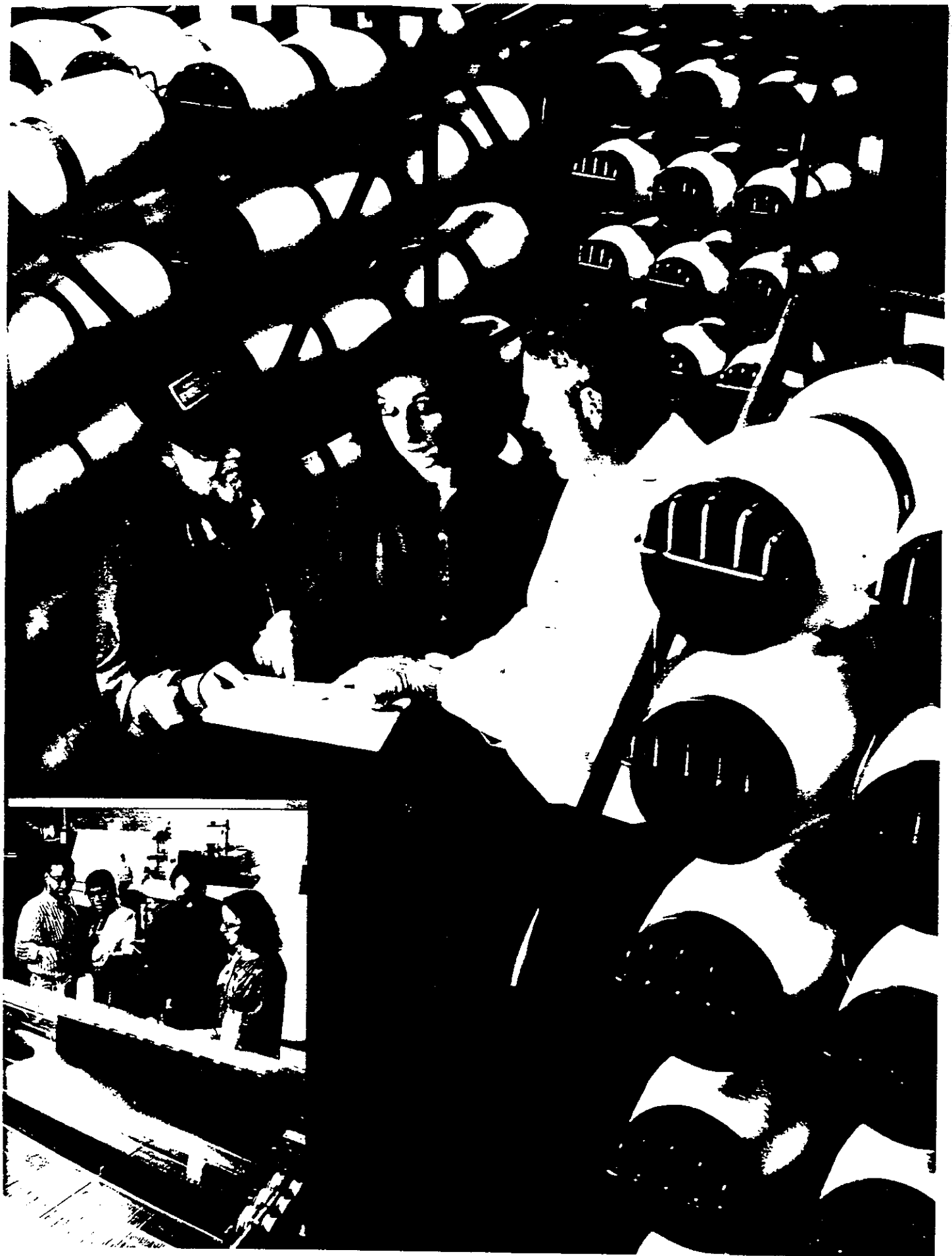
We are confident and enthusiastic about prospects for the growth in the use of fiber glass around the world and are committed to maintaining our position as the industry leader by aggressively using our product technology and service to bring value-added to customers.



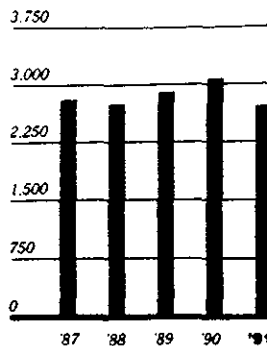
Working With Our Customers To Be The Best

One of the Industrial Materials Group's strategic objectives is to always be our customers' preferred supplier. One way we achieve that objective is with "Style Teams," in which we form ongoing partnerships with our customers to address issues of mutual concern, such as product quality and manufacturing efficiency.

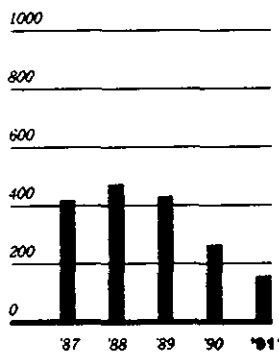
In the photographs on the right, members of a Style Team from our plant in Aiken, S.C., discuss performance criteria with their counterparts from Clark-Schwebel, which uses our glass fiber yarns to produce woven fabrics used in printed circuit boards and other industrial applications. With a better understanding of the manufacturing process both at Aiken (large photo) and at Clark-Schwebel's weaving plant in Statesville, N.C., (inset), members of the Style Team work together to optimize fabric quality.



Net Sales
(In millions of dollars)



Operating Profit
(In millions of dollars)



* Excludes the \$800 million asbestos special charge.

Results of Operations

The Company's consolidated net sales in 1991 were \$2.8 billion, a 9% decline from 1990's sales of \$3.1 billion and 6% lower than 1989 due to continuing weak economic conditions in the Company's major markets.

Construction Products segment sales in 1991 decreased by 8% compared to the prior year, primarily due to lower commercial roofing and asphalt sales, as well as lower insulation sales to residential and commercial contractor markets. Sales to the residential roofing market increased, however, and retail insulation sales were relatively unchanged as the Company gained market share. Construction Products segment sales outside the U.S. decreased 14% in 1991, reflecting weak demand in Canada and Brazil. In 1990, Construction Products segment sales, which for the first time included Fiberglas Canada Inc. (FCI) for the full year, increased 4% compared to 1989. Sales in Canada, however, were significantly depressed in 1990 due to the recession and lower housing construction activity.

Industrial Materials global sales in 1991 decreased by 11% compared to 1990 with U.S. sales declining 10%, compared to the previous year, in both 1991 and 1990. Both years were affected by continuing weakness in the automotive and pleasure boat industries. Textile materials sales remained unchanged in 1991 and 1990 due to continued strength in printed circuit board demand. Industrial Materials segment sales outside the U.S. declined 12% in 1991,* primarily due to price erosion and currency exchange effects in Europe and Brazil. In 1990, Industrial Materials segment sales, including FCI products for a full year, increased by 2% compared to 1989.

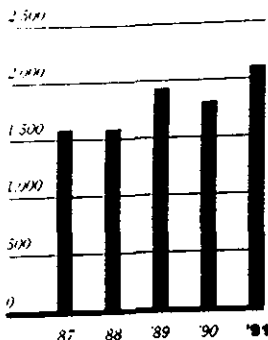
The Company's gross margin percentage of net sales was 21% for 1991, compared to 25% in 1990, and 27% in 1989. The declines reflect lower volume sales of insulation to the contractor markets and downward global pressure on prices.

Marketing and administrative expenses for 1991 decreased by \$24 million, or 8%, compared to 1990, while science and technology expenses declined 7%, or \$4 million. These reductions reflect the Company's continued efforts to control costs and the results of restructuring actions announced in the fourth quarter of 1990, while at the same time retaining science and technology expenses at 2% of 1991 sales. Please see Note 16 to the Consolidated Financial Statements. The increase in "Other" expenses in 1991 reflects charges for stock appreciation rights, the annual service cost and interest cost accrual for the adoption, as of January 1, 1991, of SFAS No. 106 "Employers' Accounting for Postretirement Benefits Other Than Pensions" (described below), and product liability expenses related to the Company's non-asbestos products. In 1990, marketing and administrative expenses, and science and technology expenses, increased compared to 1989, due primarily to the full-year consolidation of FCI.

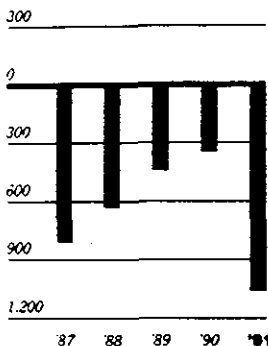
Cost of borrowed funds decreased by \$34 million in 1991. The decrease is due to a \$128 million reduction in debt since December 31, 1990, and lower interest rates on the Company's debt, primarily due to \$423 million in refinancing during the year. The reduction in debt was funded by the Company's cash flow from operations. Please see Note 2 to the Consolidated Financial Statements.

Historically, the Company has charged earnings on an accrual basis for the uninsured costs of the pending personal injury asbestos claims, including the cost of insurance deductibles. The charges have taken into consideration factors such as the estimated ultimate cost of resolving such claims, the period of time for the resolution of the claims and the uncertainties existing in connection with the contingency. The charges were \$24 million in each of 1991 and 1990, and \$50 million in 1989.

Total Assets
(In millions of dollars)



Stockholders' Equity
(In millions of dollars)



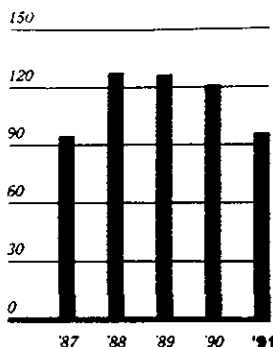
The Company expects additional asbestos personal injury claims to be filed in the future. Historically, the Company has not been able to estimate, and has not provided for, the cost of unasserted asbestos personal injury claims. At year-end 1991, however, the Company again reviewed the feasibility of making provision for such costs. In conducting this review, the Company relied, among other things, on the experience and information it has obtained during the three-year period it has been responsible for the evaluation, settlement and defense of asbestos personal injury claims following the dissolution of the Asbestos Claims Facility. As a result of this review, the Company has taken a non-recurring, noncash charge to earnings of \$800 million in 1991, in addition to the \$24 million described above. This charge reflects the Company's best estimate of the uninsured indemnity and defense costs that may be associated with unasserted asbestos personal injury claims that may be received by the Company during the years 1992 through 1999.

The Company cautions that such factors as the number of future claims received by it, the rate of receipt of such claims and the indemnity and defense costs associated with such claims, as well as the prospects for confirming additional, applicable insurance coverage beyond the unexhausted \$1.13 billion of products liability insurance (inclusive of deductibles) available at year-end 1991, are influenced by numerous variables that are difficult to predict, and that estimates, such as the Company's, which attempt to take account of such variables, are subject to considerable uncertainty. Accordingly, the actual uninsured costs associated with asbestos personal injury claims received by the Company during the years 1992 through 1999 may be higher or lower than those provided for by the \$800 million charge to earnings in 1991. The Company will review the adequacy of its provision for the uninsured costs of pending and unasserted claims on a periodic basis and make such adjustments to its reserves as may then be appropriate.

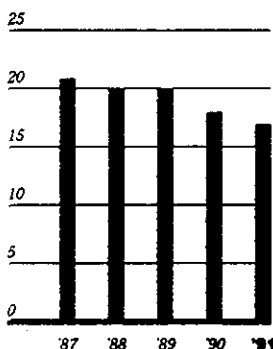
Although the Company has accrued an estimate for the uninsured costs of both asserted and unasserted asbestos personal injury claims, as described above, such claims are not typically resolved nor the related cash outlays made until four to six years after receipt. Therefore, the Company's products liability insurance policies should cover virtually all of the Company's cash expenditures for indemnity and defense costs for asbestos personal injury claims through 1996 or 1997 (except for the insurance deductibles and for a small number of claims involving product exposure outside the coverage periods of the Company's unexhausted products liability policies). The cash expenditures (except for insurance deductibles) for the unasserted claims covered by the \$800 million charge to 1991 earnings are expected to be incurred over a period of approximately seven years, between 1996 or 1997 and 2003 or 2004. Please see Note 1 to the Consolidated Financial Statements for a complete discussion of the asbestos litigation.

In December 1990, the Financial Accounting Standards Board issued Statement No. 106, "Employers' Accounting for Postretirement Benefits Other Than Pensions" with an effective date of January 1, 1993. The Company has adopted the new standard effective January 1, 1991. The Company incurred a non-recurring, noncash charge of \$227 million, or \$5.55 per share, to net income for the cumulative effect of this statement. Please see Note 13 to the Consolidated Financial Statements.

Capital Spending (In millions of dollars)



Average Number of Employees (In thousands)



The loss for 1991 was \$742 million, or \$18.13 per share, compared to net income of \$73 million, or \$1.73 per share, in 1990 and \$172 million, or \$4.08 per share, in 1989. The net loss for 1991 reflects the \$800 million charge for unasserted asbestos claims, the adoption of SFAS No. 106 effective January 1, 1991, and an increase of \$14 million, or \$.34 per share, in the estimated taxes that would be payable on undistributed earnings of foreign subsidiaries. Without these noncash charges, net income would have been \$22 million, or \$.54 per share. In the fourth quarter of 1990, the Company recorded a restructuring charge of \$65 million pre-tax, or \$51 million after-tax, in connection with actions designed to reduce costs and further improve the Company's capacity utilization in North America and Europe. Income from operations was a \$628 million loss for 1991 (reflecting the \$800 million charge for asbestos as described above), compared to income of \$293 million for 1990 and \$432 million for 1989.

As reported on a segment basis, general corporate expenses for 1991 increased by \$829 million compared to 1990, due to the \$800 million charge for unasserted asbestos personal injury claims, the annual service cost and interest cost portion of the SFAS No. 106 accrual, stock appreciation rights and a reduction in interest income on lower cash holdings in Brazil. General corporate identifiable assets also sharply increased reflecting the deferred tax asset resulting from the tax effect of the accruals for unasserted asbestos claims and other post-retirement benefits. Please see Notes 1 and 13 to the Consolidated Financial Statements.

Liquidity, Capital Resources and Other Related Matters

Cash flow from operations was \$253 million for 1991, compared to \$361 million for 1990 and \$395 million for 1989. The decline, which was primarily due to the effect of lower sales and lower net income, was moderated by favorable changes in working capital.

Net inventories declined from \$237 million at year-end 1990 to \$219 million at year-end 1991. The 1991 decline reflects efforts to tighten control of working capital during the recession. Inventories at December 31, 1991 (valued on a first-in, first-out basis), as a percentage of the fourth quarter's annualized sales, were 11%, unchanged from 11% at the end of 1990.

Receivables were \$308 million at December 31, 1991, compared to \$375 million at the end of 1990 and \$466 million at the end of 1989, reflecting lower sales in 1991, particularly in the fourth quarter. Receivables at December 31, 1990, reflected both reduced sales volume in the fourth quarter 1990 and the collection in 1990 of a 1989 settlement with the Internal Revenue Service concerning treatment of certain assets for federal tax purposes.

The Company's total borrowings at December 31, 1991, were \$1.2 billion, compared to \$1.3 billion at December 31, 1990, and \$1.5 billion at December 31, 1989. At year-end 1991, the Company had unused lines of credit of \$343 million under its long-term bank loan facilities and an additional \$232 million under short-term facilities. During 1991, the Company issued \$423 million of debentures: \$173 million of 8% convertible junior subordinated debentures due in 2005, \$150 million of 10% debentures due in 2001, and \$100 million of 9.8% debentures due in 1998. The net proceeds from these issues were used to retire other indebtedness. In December 1991, the Company redeemed all of its remaining junior subordinated discount debentures due in 2006, which would have required cash interest payments of 15% beginning in December 1991. The Company's long-term bank facility was used to fund the \$208 million redemption.

At year-end 1991, the Company's working capital increased to \$171 million and its current ratio increased to 1.4, compared to working capital of \$58 million and a current ratio of 1.1 at year-end 1990 and \$25 million and 1.0, respectively, at year-end 1989. The increases in 1991 are primarily due to a reduction in the Company's outstanding short-term debt.

Capital spending for property, plant and equipment was \$96 million during 1991, compared to \$121 million in 1990 and \$125 million in 1989. At the end of 1991, approved capital projects, excluding furnace rebuilds, were \$41 million. The Company is planning total capital spending of approximately \$125 million in 1992, excluding furnace rebuilds. Funding for these expenditures will be from the Company's operations and external sources as required.

Please see the paragraphs above in "Results of Operations" discussing asbestos contingent liabilities.

The Company has been deemed by the Environmental Protection Agency (EPA) to be a potentially responsible party (PRP) with respect to certain sites under the Comprehensive Environmental Response, Compensation and Liability Act (Superfund). During 1991, the Company was designated as a PRP for three additional sites, bringing the total to 31, some of which designations the Company believes to be erroneous. The Company has established reserves for its Superfund contingent liabilities which are reflected in the financial statements. The Company believes these reserves to be adequate to cover these liabilities.

The 1990 Clean Air Act Amendments (Act) provide that the EPA will issue regulations on a number of air pollutants over a period of years. Until these regulations are promulgated, the Company cannot determine how and when the Act will affect it. The Company anticipates that its sources to be regulated will include glass fiber manufacturing, resin manufacturing and asphalt processing activities. The Company currently expects glass fiber manufacturing to be regulated by 1997. Based on information now known to the Company, including the nature and limited number of regulated materials it emits, the Company does not expect the Act to have a material adverse effect on the Company's results of operations, financial condition or long-term liquidity.

Future Required Accounting Change

In February 1992, the Financial Accounting Standards Board (FASB) issued Statement No. 109, "Accounting for Income Taxes." The Company is required to adopt the new standard no later than 1993. The Company is currently analyzing the new standard and expects that prior periods will not be restated. The cumulative effect of the accounting change on reported net income in the year of adoption is unknown at this time.

Five-Year Summary of Operations

(In millions of dollars, except per share data and where noted)

	1991	1990	1989	1988	1987
Net sales	\$ 2,783	\$ 3,069	\$ 2,964	\$ 2,798	\$ 2,857
Cost of sales	2,186	2,304	2,161	1,999	2,129
Marketing, administrative and other expenses	1,171	414	323	278	258
Science and technology expenses	54	58	48	44	43
Income (loss) from operations (a,c,d)	(628)	293	432	477	427
Cost of borrowed funds	131	165	166	170	221
Income (loss) before provision for income taxes (a,c,d,f)	(759)	128	266	301	343
Provision (credit) for income taxes	(238)	58	103	127	136
Net income (loss) (a,b,c,d,e,f,g)	(742)	73	172	189	200
Net income (loss) per share (a,b,c,d,e,f,g)	(18.13)	1.73	4.08	4.51	4.81
Dividends per share on common stock					
Declared	—	—	—	—	—
Paid	—	—	—	—	—
Weighted average number of shares outstanding (in thousands)	40,924	42,019	42,170	41,856	41,583
Net cash flow from operations	253	361	395	360	290
Capital spending	96	121	125	127	97
Total assets	2,106	1,807	1,924	1,596	1,590
Long-term debt	1,148	1,086	1,201	1,315	1,482
Average number of employees (in thousands) (h)	17	18	20	20	21

(i) 1989 data consolidates results of Fiberglas Canada Inc. beginning in the fourth quarter of 1989.

(a) During 1991 a non-recurring \$800 million charge for unasserted asbestos litigation claims was recorded.

(b) 1991 results include a \$227 million after-tax charge, or \$5.55 per share, for the cumulative effect of the accounting change for other postretirement benefits.

(c) During 1990 a restructuring cost of \$65 million was recorded.

(d) During 1989 an additional \$50 million was added to existing asbestos-related claims reserves, a \$50 million credit was recorded resulting from a settlement reached with the IRS and a restructuring cost of \$30 million was recorded.

(e) During 1988 an \$8 million extraordinary loss resulted from the early retirement of debt.

(f) During 1987 a gain of \$141 million resulted from the sale of the Aerospace and Strategic Materials Group.

(g) During 1987 a \$20 million extraordinary loss resulted from the early retirement of debt.

(h) Includes employees of Fiberglas Canada Inc.

Price Range of Common Stock

	1991		1990		1989	
	High	Low	High	Low	High	Low
First Quarter	26½	15	26½	20½	29½	22½
Second Quarter	28½	23½	24½	20½	33	26½
Third Quarter	35½	25½	23½	14½	36½	29½
Fourth Quarter	35½	16½	16½	13½	34½	23

**To the Stockholders of
Owens-Corning Fiberglas Corporation:**

Report of Independent Public Accountants

We have audited the accompanying consolidated balance sheet of OWENS-CORNING FIBERGLAS CORPORATION (a Delaware corporation) and subsidiaries as of December 31, 1991 and 1990, and the related consolidated statements of income, stockholders' equity and cash flows for each of the three years in the period ended December 31, 1991 presented on pages 20-23 and 25-41 of this Annual Report. These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Owens-Corning Fiberglas Corporation and subsidiaries as of December 31, 1991 and 1990, and the results of their operations and their cash flows for each of the three years in the period ended December 31, 1991, in conformity with generally accepted accounting principles.

As discussed in Note 13 to the consolidated financial statements, the Company changed its method of accounting for postretirement benefits other than pensions in 1991 to comply with the provisions of Statement of Financial Accounting Standards No. 106.

Arthur Andersen & Co.

January 31, 1992
Toledo, Ohio

Management's Report

The financial statements of Owens-Corning Fiberglas Corporation and subsidiaries have been prepared by management in conformity with generally accepted accounting principles. Management uses its best informed judgments to ensure that these statements fairly reflect the Company's financial position. Financial information contained elsewhere in this annual report is consistent with the financial statements.

The Company maintains a system of internal accounting controls designed to provide reasonable assurances that assets are protected from improper use and that transactions are properly authorized and recorded.

The Board of Directors pursues its responsibility for overview of the Company's financial statements through its Audit Committee, which is comprised of directors who are not officers or employees of the Company. The Audit Committee meets periodically with management, the Company's internal auditors, and the independent public accountants to review and assess the activities of each in meeting their respective responsibilities. The independent public accountants and the director of internal auditing have full and free access to the Audit Committee to discuss the scope and results of their audit work, the adequacy of internal accounting controls, and the quality of management's financial reporting.

Glen H. Hiner

Glen H. Hiner
Chairman and Chief Executive Officer

Paul V. Daverio

Paul V. Daverio
Senior Vice President and
Chief Financial Officer

Charles R. Bland

Charles R. Bland
Vice President and Controller

Summary of Significant Accounting Policies

Principles of Consolidation

The consolidated financial statements include the accounts of subsidiaries. Significant intercompany accounts and transactions are eliminated.

Net Income Per Share

Net income per share is computed using the weighted average number of common shares outstanding and common equivalent shares during the period.

Inventory Valuation

Inventories are stated at cost, which is less than market value, and include material, labor, and manufacturing overhead. U.S. inventories are primarily valued using the last-in, first-out (LIFO) method and the balance of inventories are generally valued using the first-in, first-out (FIFO) method.

Goodwill

Goodwill is amortized on a straight-line basis over a period of forty years.

Investments in Affiliates

Investments in affiliates are accounted for using the equity method, under which the Company's share of earnings of these affiliates is reflected in income as earned and dividends are credited against the investment in affiliates when received.

Depreciation

The Company's plant and equipment is depreciated primarily using accelerated methods. Generally, the double-declining balance method is used for the first half of an asset's estimated useful life and the straight-line method is used thereafter.

Reserve for Asbestos Litigation Claims

The Company charges earnings for the estimated uninsured costs of currently pending and unasserted claims.

Reserve for Rebuilding Furnaces

The Company's glass melting furnaces and related machines periodically require substantial rebuilding. The estimated future cost of such rebuilding is charged to income and credited to the reserve on a straight-line basis over the estimated period to the next rebuild date. Actual costs are charged to the reserve when the furnaces are rebuilt.

Income Taxes

Certain income and expense items are reported in different periods for financial statements and for income tax determination. The cumulative effect of timing differences between amounts reported for financial statement purposes and for income tax purposes is shown as deferred income taxes. Provision is made for taxes that would be payable on undistributed earnings of foreign subsidiaries.

Consolidated Statement of Income

For the years ended December 31, 1991, 1990 and 1989 (In millions of dollars, except share data) (Notes 17 and 18)

	1991	1990	1989
Net Sales	\$ 2,783	\$ 3,069	\$ 2,964
Cost of Sales (Note 6)	2,186	2,304	2,161
Gross margin	<u>597</u>	<u>765</u>	<u>803</u>
Other Expenses			
Marketing and administrative expenses	285	309	285
Science and technology expenses (Note 4)	54	58	48
Provision for asserted asbestos litigation claims (Note 1)	24	24	30
Provision for unasserted asbestos litigation claims (Note 1)	800	—	—
Other (Notes 5 and 11)	82	16	(42)
Restructuring costs (Note 16)	—	65	30
Total other expenses	<u>1,225</u>	<u>472</u>	<u>371</u>
Income (Loss) from Operations	(626)	293	432
Cost of borrowed funds (Notes 2 and 3)	(131)	(165)	(166)
Income (Loss) before Provision for Income Taxes	(759)	128	266
Provision (credit) for income taxes (Note 5)	(238)	58	103
Income (Loss) before Equity in Net Income of Affiliates	(521)	70	163
Equity in net income of affiliates (Notes 7 and 17)	6	5	9
Income (Loss) before Extraordinary Item and Cumulative Effect of Accounting Change	(515)	75	172
Extraordinary loss from early retirement of debt (Note 2)	—	(2)	—
Cumulative effect of accounting change for other postretirement benefits net of income taxes of \$117 million (Note 13)	(227)	—	—
Net Income (Loss)	\$ (742)	\$ 73	\$ 172
Primary and Fully Diluted Net Income (Loss) Per Share			
Income (loss) before extraordinary item and cumulative effect of accounting change	\$(12.58)	\$ 1.78	\$ 4.08
Extraordinary loss from early retirement of debt (Note 2)	—	(.05)	—
Cumulative effect of accounting change for other postretirement benefits (Note 13)	(5.55)	—	—
Net Income (Loss) Per Share	\$(18.13)	\$ 1.73	\$ 4.08
Weighted average number of shares	40,824,391	42,019,411	42,170,273

The accompanying summary of significant accounting policies and notes are integral parts of this statement.

Consolidated Balance Sheet

December 31, 1991 and 1990 (In millions of dollars)

Assets	1991	1990
Current		
Cash and cash equivalents	\$ 3	\$ 7
Receivables, less allowances of \$18 in 1991 and \$15 in 1990	308	375
Inventories (Note 6)	219	237
Deferred income taxes (Note 5)	76	79
Other current assets	13	13
Total current	<u>619</u>	<u>711</u>
Other		
Goodwill, less accumulated amortization of \$8 in 1991 and \$5 in 1990 (Note 17)	96	99
Investments in affiliates (Note 7)	45	32
Deferred income taxes (Note 5)	416	—
Other noncurrent assets	60	33
Total other	<u>617</u>	<u>164</u>
Plant and Equipment, at cost		
Land	51	52
Buildings and leasehold improvements	555	545
Machinery and equipment	1,880	1,838
Construction in progress	41	60
	<u>2,527</u>	<u>2,495</u>
Less: Accumulated depreciation	(1,657)	(1,563)
Net plant and equipment	<u>870</u>	<u>932</u>
Total Assets	<u>\$ 2,106</u>	<u>\$ 1,807</u>

The accompanying summary of significant accounting policies and notes are integral parts of this statement.

Consolidated Balance Sheet

December 31, 1991 and 1990 (in millions of dollars)

	1991	1990
Liabilities and Stockholders' Equity		
Current		
Accounts payable and accrued liabilities (Note 8)	\$ 409	\$ 418
Accrued income taxes (Note 5)	15	21
Short-term debt (Note 3)	6	167
Long-term debt — current portion (Note 2)	18	47
Total current	448	653
Long-Term Debt (Note 2)	1,148	1,086
Other		
Reserve for asbestos litigation claims (Note 1)	950	128
Other postretirement benefits liability (Note 13)	343	—
Reserve for rebuilding furnaces	113	105
Pension plan liability (Note 14)	54	44
Deferred income taxes (Note 5)	—	13
Other	126	128
Total other	1,586	418
Commitments and Contingencies (Notes 1 and 10)		
Stockholders' Equity		
Preferred stock, no par value; authorized 8,000,000 shares, none outstanding (Note 12)		
Common stock, par value \$.10 per share; authorized 100,000,000 shares; issued 1991 — 41,651,754 and 1990 — 40,580,833 shares (Note 11)	285	268
Deficit	(1,375)	(633)
Foreign currency translation adjustments	24	25
Other	(10)	(10)
Total stockholders' equity	(1,076)	(350)
Total Liabilities and Stockholders' Equity	\$ 2,106	\$ 1,807

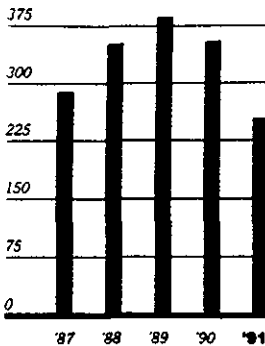
Consolidated Statement of Stockholders' Equity

For the years ended December 31, 1991, 1990 and 1989 (in millions of dollars)

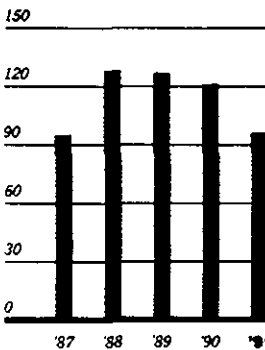
	1991	1990	1989
Common Stock			
Balance beginning of year	\$ 268	\$ 266	\$ 264
Issuance of stock and deferred awards under stock compensation plans (Note 11)	17	2	2
Balance end of year	285	268	266
Deficit			
Balance beginning of year	(633)	(706)	(878)
Net income (loss)	(742)	73	172
Balance end of year	(1,375)	(633)	(706)
Foreign Currency Translation Adjustments			
Balance beginning of year	25	14	12
Translation adjustments	(1)	11	2
Balance end of year	24	25	14
Other			
Balance beginning of year	(10)	(9)	(8)
Net increase (decrease)	—	(1)	(1)
Balance end of year	(10)	(10)	(9)
Stockholders' Equity	\$ (1,076)	\$ (350)	\$ (435)

The accompanying summary of significant accounting policies and notes are integral parts of this statement.

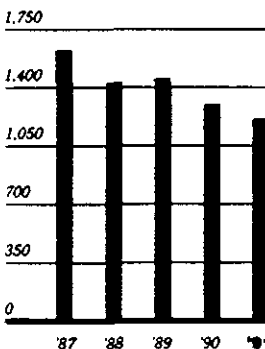
Cash Flow From Operations
(In millions of dollars)



Capital Spending
(In millions of dollars)



Total Debt
(In millions of dollars)



Since its recapitalization in 1986, Owens-Corning has focused on two principal objectives — strengthening the competitive position of its core businesses and repaying debt. A look at Owens-Corning's cash flow statement demonstrates how the Company has been able to successfully balance these two objectives and shows why the Company is confident it will continue to do so in the years ahead.

Owens-Corning has historically been a strong generator of cash, with substantial funds remaining after the investment requirements of its businesses have been met. As the efficiency of the Company's operations has improved in recent years, so has its cash flow.

In 1991, despite poor economic conditions in its major markets, Owens-Corning generated \$253 million in "net cash flow from operations." After capital expenditures and furnace rebuilds, the Company had approximately \$130 million remaining. These discretionary funds, known as "free cash flow," were principally used to reduce debt. For the year, the Company's debt was reduced by \$128 million to \$1.17 billion, down from a high of \$2.5 billion in 1986.

One reason Owens-Corning had a positive cash flow from operations in 1991 even though it reported a net loss for the year is that the special, non-recurring charges against earnings for asbestos litigation claims (\$800 million) and the cumulative effect of the accounting change for other postretirement benefits (\$227 million) did not involve cash outlays by the Company and therefore did not affect cash flow. These charges are simply accruals for cash outlays the Company expects to make some time in the future.

Owens-Corning has more than \$1.1 billion in available insurance which should cover virtually all cash outlays related to the settlement of asbestos personal injury claims, except for deductibles, through 1996 or 1997. By that time, the Company expects to have substantially reduced its debt and associated interest costs and to have even greater net cash flow from operations. Accordingly, Owens-Corning believes it will be able to resolve future asbestos claims without affecting its plans to substantially reduce debt, reinvest in its businesses, and take advantage of attractive opportunities for growth.

Consolidated Statement of Cash Flows

For the years ended December 31, 1991, 1990 and 1989 (In millions of dollars) (Notes 17 and 18)

	1991	1990	1989
Net Cash Flow from Operations			
Net income (loss)	\$ (742)	\$ 73	\$ 172
Reconciliation of net cash provided by operating activities:			
Noncash items:			
Cumulative effect of accounting change for other postretirement benefits net of tax	227	—	—
Provision for asbestos litigation claims	824	24	50
Provision for depreciation and amortization	132	139	137
Provision for rebuilding furnaces	28	30	26
Provision (credit) for deferred income taxes	(308)	(15)	(4)
Amortization of discount on long-term debt	20	33	36
Other	3	(4)	(67)
Extraordinary loss from early retirement of debt	—	2	—
Uninsured asbestos claims and insurance deductibles	—	(8)	—
(Increase) decrease in receivables	59	106	(15)
(Increase) decrease in inventories	14	15	1
Increase (decrease) in accounts payable and accrued liabilities	(6)	(57)	50
Increase (decrease) in accrued income taxes	(9)	(4)	(14)
Other	11	27	23
Net cash flow from operations	<u>253</u>	<u>361</u>	<u>395</u>
Net Cash Flow from Investing			
Additions to plant and equipment	(96)	(121)	(125)
Expenditures for rebuilding furnaces	(18)	(25)	(18)
Acquisition of Fiberglas Canada Inc.	—	(2)	(195)
Other	(6)	5	(1)
Net cash flow from investing	<u>(120)</u>	<u>(143)</u>	<u>(339)</u>
Net Cash Flow from Financing			
Net additions (reductions) in long-term credit facilities	(152)	87	(47)
Other additions to long-term debt	465	28	21
Other reductions to long-term debt	(296)	(346)	(50)
Net increase (decrease) in short-term debt	(159)	(9)	23
Other	5	—	3
Net cash flow from financing	<u>(137)</u>	<u>(240)</u>	<u>(50)</u>
Net increase (decrease) in cash and cash equivalents	(4)	(22)	6
Cash and cash equivalents at beginning of year	7	29	23
Cash and cash equivalents at end of year (Note 9)	<u>\$ 3</u>	<u>\$ 7</u>	<u>\$ 29</u>

The accompanying summary of significant accounting policies and notes are integral parts of this statement.

1. Contingent Liabilities

The Company is a co-defendant with former manufacturers and distributors of products containing asbestos and with miners and suppliers of asbestos fibers (collectively, the Producers) in personal injury and property damage litigation. The personal injury claimants generally allege injuries to their health caused by inhalation of asbestos fibers from the Company's products. The property damage claims generally allege property damage to school, public and commercial buildings resulting from the presence of products containing asbestos. Virtually all of the asbestos-related lawsuits against the Company arise out of its manufacture, distribution or sale of an asbestos-containing calcium silicate, high temperature insulation product, the manufacture of which was discontinued in 1972.

As of December 31, 1991, approximately 85,400 asbestos personal injury claims were pending against the Company. The Company received approximately 20,700 such claims in 1991, 22,400 in 1990 and 22,100 in 1989.

Through December 31, 1991, the Company had resolved (by settlement or otherwise) approximately 74,000 asbestos personal injury claims. During 1991, the Company resolved approximately 15,500 such claims and incurred total indemnity payments of \$145 million (an average of approximately \$9,300 per case). The Company also agreed in principle to settle approximately 17,000 additional cases which will be processed and reflected in settlements during 1992 and 1993. Although the precise amounts are subject to certain contingencies, the payments in these additional cases are expected to be in line with the Company's settlement averages in 1990 and 1991. During 1990, the Company resolved approximately 12,200 asbestos personal injury claims and incurred total indemnity payments of \$117 million (an average of approximately \$9,600 per case). The Company's indemnity payments have varied considerably over time and from case to case, and are affected by a multitude of factors. These include the type and severity of the disease sustained by the claimant (i.e., mesothelioma, lung cancer, other types of cancer, asbestosis or pleural changes); the occupation of the claimant; the extent of the claimant's exposure to asbestos-containing products manufactured or sold by the Company; the extent of the claimant's exposure to asbestos-containing products manufactured or sold by other Producers; the number and financial resources of other Producer defendants; the jurisdiction of suit; the presence or absence of other possible causes of the claimant's illness; the availability or not of legal defenses such as the statute of limitations or state of the art; whether the claim was resolved on an individual basis or as part of a group settlement; and whether the claim was settled directly by the Company or by the Asbestos Claims Facility (the "ACF"). The ACF, which had been in operation since June 1985 to provide for the joint evaluation, settlement and defense of asbestos personal injury claims

by the Company and certain other Producers and insurance companies, dissolved on October 3, 1988. The Company's per case indemnity payments have decreased since the dissolution of the ACF. The disease mix of asbestos personal injury claims against the Company appears to have declined in severity in recent years. Moreover, many of the claims involve workers from occupations with limited, if any, exposure to the Company's asbestos products.

The courts and litigants are engaged in various efforts to develop *suitable methods for resolving certain of the problems associated with the asbestos personal injury litigation* (including the accumulation of a large backlog of cases awaiting trial in certain federal and state courts; the high transaction costs, both for plaintiffs and defendants, of the preparation and trial of such lawsuits; and the weakened financial condition of certain of the defendants). For example, on July 29, 1991, the Judicial Panel on Multi-district Litigation issued an order transferring all asbestos personal injury cases pending in the federal courts to the United States District Court for the Eastern District of Pennsylvania, before Judge Charles R. Weiner, for coordinated pre-trial proceedings. The federal caseload represents approximately one-third of the total number of cases pending against the Company; the remaining two-thirds of the cases are pending in state court and are not affected by the Panel's order, which excepts from transfer only those federal cases which were then in trial. Other developments include the institution or consideration of so-called "pleural registries" or inactive dockets for plaintiffs who do not allege significant functional impairment as a result of asbestos exposure; consolidated trials involving numerous plaintiffs (including consolidated trials of the claims of several thousand plaintiffs in state courts in Charleston, West Virginia and Jackson County, Mississippi (both recently settled) and in Baltimore, Maryland); the Chapter 11 bankruptcy filings of Celotex, Eagle-Picher Industries and H.K. Porter, formerly co-defendants with the Company in most of the pending asbestos personal injury lawsuits; the effort by Eagle-Picher Industries, prior to its bankruptcy, to obtain certification of a mandatory federal limited fund class action involving all present and future asbestos personal injury claims; the approval by the federal district and bankruptcy courts of a purported mandatory federal limited fund class action settlement restructuring the Manville Personal Injury Settlement Trust, which approval is now on appeal to the United States Court of Appeals for the Second Circuit; and the filing by certain plaintiffs in July 1990 of a purported national class action against approximately 80 Producer defendants (including the Company) in federal court in Beaumont, Texas (this proceeding has been transferred to the Eastern District of Pennsylvania pursuant to the Panel order and is currently inactive). The Baltimore consolidation referenced above involves approximately 9,000 cases. As presently contemplated, during the first phase of that trial, which is scheduled to com-

mence in February 1992, a jury is to render verdicts, among other things, on the so-called common issues relating to all 9,000 claims, including negligence, product defect, liability for punitive damages and a punitive damages multiplier to be applied to any compensatory damage awards that may be rendered at trials involving particular plaintiffs. The Company is actively engaged in discussions with other defendants and with various plaintiffs' counsel concerning the possible negotiation of a consensual settlement of the asbestos personal injury litigation. These negotiations are in an early stage and it is not possible to predict their outcome.

The indemnity payments, defense fees and expenses related to asbestos personal injury claims are covered by the Company's products liability insurance policies, subject to deductibles, exclusions, retentions and policy limits. The so-called Wellington Agreement resolved certain disputes between subscribing Producers and subscribing insurers and confirmed favorable application of insurance coverage to the Company by signatory insurers for asbestos personal injury claims. These insurance provisions of the Wellington Agreement remain in effect despite the dissolution of the ACF.

Most of the asbestos-related claims pending against the Company request punitive damages as well as compensatory damages. During 1991, a total of \$5 million in punitive damages was entered against the Company in three trials involving three plaintiffs (including a \$4 million award in a trial involving a single plaintiff in Guam). Prior to 1991, a total of \$40 million in punitive damages was awarded against the Company (including a \$25 million award in a trial involving a single plaintiff in the Virgin Islands, which award was subsequently reduced by the trial court to \$2 million). Depending on insurance policy language, applicable law and agreements with its carriers, punitive damage awards against the Company may or may not be covered, in whole or in part, by insurance.

As of December 31, 1991, the Company had approximately \$1.13 billion in unexhausted insurance coverage (inclusive of the deductibles described below) under products liability insurance policies applicable to asbestos personal injury claims. This amount excludes approximately \$116 million in coverage under products liability insurance policies issued by carriers that are presently the subject of insolvency proceedings. In third quarter 1991, the Company settled claims against the Ohio Insurance Guaranty Association in respect of these insolvent carriers for \$29 million. In addition, the Company has substantial unexhausted insurance coverage under certain non-products liability insurance policies; an as yet undetermined amount of coverage under such policies may be available for payment of asbestos personal injury claims and associated defense fees and expenses.

All of the Company's products liability insurance policies cover defense fees and expenses, and indemnity payments. Certain of the Company's policies (so called "G" policies) cover defense fees and expenses without reducing amounts available under the policies for indemnity payments, whereas under other Company policies, the payment of defense fees and expenses reduces the amount available for indemnity payments. The Company is currently operating under G policy coverage, as it did throughout 1991. If indemnity payments during the first quarter of 1992 continue at the rate experienced during 1991, the Company's G policy coverage would be exhausted in March 1992. In such event, the Company currently estimates that defense fees and expenses for the portion of 1992 subsequent to exhaustion of G policy coverage would be approximately \$40-50 million.

The Company has filed suit against certain of its insurance carriers concerning the proper interpretation of the "per occurrence" deductible provisions of certain of its products liability insurance policies. The Company takes the position that the manufacture and sale of its asbestos-containing products constituted a single occurrence for purposes of calculation of the applicable deductibles, whereas the insurers contend that each asbestos personal injury claim constitutes a separate occurrence. If the insurance carriers' position is sustained by the courts, the Company would have to pay, over a period of years, a total of approximately \$230 million in deductibles if it were to fully access its unexhausted products liability insurance applicable to asbestos personal injury claims. If the Company's position is sustained, the Company will obtain an additional \$72 million in products liability insurance coverage and would be required to pay approximately \$80 million in deductibles if it were to fully access its unexhausted insurance coverage.

Historically, the Company has charged earnings on an accrual basis for the uninsured costs of the pending personal injury asbestos claims, including the deductibles described above. The charges have taken into consideration factors such as the estimated ultimate cost of resolving such claims, the period of time for the resolution of the claims, and the uncertainties existing in connection with the contingency. The charges were on a basis consistent with the insurance carriers' position described above and were \$24 million in each of 1991 and 1990 and \$50 million in 1989. Since the Company has changed its accounting estimate, as described below, to include the estimated liability for certain unasserted claims in addition to pending claims, the Company has discontinued accruing for the costs of claims as they are received.

The Company expects additional asbestos personal injury claims to be filed in the future. Historically, the Company has not been able to estimate, and has not provided for, the cost of unasserted asbestos personal injury claims. As of year-end 1991, however, the Company has again reviewed the feasibility of making provision for such costs. In conducting this review, the Company has relied,

1. Contingent Liabilities (Continued)

among other things, on the experience and information it has obtained during the three-year period it has been responsible for the evaluation, settlement, and defense of asbestos personal injury claims following the dissolution of the ACF. As a result of this review, the Company has taken a non-recurring charge to earnings of \$800 million in 1991 in addition to the \$24 million described above. This charge reflects the Company's best estimate of the uninsured indemnity and defense costs that may be associated with unasserted asbestos personal injury claims that may be received by the Company during the years 1992 through 1999. The Company cannot estimate and is not providing for the cost of unasserted claims which may be received by the Company after the year 1999 because management is unable to predict the number of claims to be received after 1999, the severity of disease which may be involved and other factors which would affect the cost of such claims.

The Company cautions that such factors as the number of future claims received by it, the rate of receipt of such claims and the indemnity and defense costs associated with such claims, as well as the prospects for confirming additional, applicable insurance coverage beyond the \$1.13 billion (inclusive of deductibles) referenced above, are influenced by numerous variables that are difficult to predict, and that estimates, such as the Company's, which attempt to take account of such variables are subject to considerable uncertainty. Accordingly, the actual uninsured costs associated with asbestos personal injury claims received by the Company during the years 1992 through 1999 may be higher or lower than those provided for by the \$800 million charge to earnings in 1991. The Company will review the adequacy of its provision for the uninsured costs of pending and unasserted claims on a periodic basis and make such adjustments to its reserves as may then be appropriate.

As a result of its charges for asbestos litigation, the Company had related reserves of \$955 million and \$131 million (including \$5 million and \$3 million in current liabilities) as of December 31, 1991 and 1990, respectively. The Company had deferred tax assets of \$336 million and \$46 million (including \$5 million and \$2 million in current deferred tax assets) as of December 31, 1991 and 1990, respectively, related to these asbestos reserves.

Although the Company has accrued an estimate for the uninsured costs of both asserted and unasserted asbestos personal injury claims, as described above, such claims are not typically resolved, nor the related cash outlays made, until four to six years after receipt. Accordingly, the Company's products liability insurance policies should cover virtually all of the Company's cash expenditures for indemnity and defense costs for asbestos personal injury claims through 1996 or 1997 (except for the deductibles described above and for a small number of claims involving product exposure

outside the coverage periods of the Company's unexhausted products liability policies). The cash expenditures (except for deductibles) in respect of the unasserted claims covered by the \$800 million charge to 1991 earnings are expected to be incurred over a period of approximately seven years, commencing in 1996 or 1997 and continuing until 2003 or 2004.

As noted above, the cash outlays for the uninsured costs of the asbestos personal injury claims may be substantial over time. However, management believes that any such cash outlays would not impair the ability of the Company to meet its obligations or to carry out its plans to substantially reduce its indebtedness, reinvest in its businesses, and take advantage of attractive opportunities for growth. By the time any such uninsured costs would be paid in cash (except in respect of the deductibles described above), the Company expects to have substantially reduced its outstanding indebtedness and associated interest costs and to have increased its operating cash flow from 1991 levels, which were adversely affected by the general recession.

Accordingly, although any opinion is necessarily judgmental and must be based on information now known to the Company, in the opinion of management, based on the Company's experience with these claims to date, the Company's assessment of the number, nature and severity of the pending claims and of the trends in the filing of such claims, and of other factors affecting the litigation, and the Company's analysis of its insurance coverage and existing reserves, and of the Company's future business, financial prospects and cash flows, the additional uninsured costs which may arise out of pending personal injury and property damage asbestos claims and additional similar asbestos claims filed in the future will not have a materially adverse effect on the Company's financial position.

In October 1991, the Company and certain of its officers and directors were named as defendants in a lawsuit captioned *Gaetana Lavalley v. Owens-Corning Fiberglas Corporation, et al.* in the United States District Court for the Northern District of Ohio. *Lavalley* purports to be a securities class action on behalf of all purchasers of the Company's common stock during the period November 1, 1988 through October 18, 1991. The complaint alleges that the Company's disclosures during the alleged class period contained material misstatements and omissions concerning its contingent liabilities for asbestos claims. The complaint seeks an unspecified amount of damages (including punitive damages) on the theory that such alleged misstatements and omissions artificially inflated the price of the Company's stock. Various other lawsuits and claims arising in the normal course of business are pending against the Company, some of which allege substantial damages. Management believes that the outcome of these lawsuits and claims will not have a materially adverse effect on the Company's financial position or results of operations.

2. Long

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2. Long-Term Debt

In millions of dollars

	1991	1990
Unsecured credit facility due in 1994, variable	\$ 193	\$ 208
Unsecured credit facility, payable in Canadian dollars, due in 1994, variable	56	191
Senior subordinated debentures due in 2001, 11.75%	240	240
Convertible junior subordinated debentures due in 2005, 8% convertible at \$29.75 per share	173	—
Guaranteed debentures due in 2001, 10%	150	—
Notes due through 2007, 4.75% to 14.25%, payable in foreign currencies	100	113
Guaranteed debentures due in 1998, 9.8% (Note 15)	99	—
Bonds, payable in Deutsche marks, due in 2000, 7.25% (Note 15)	50	50
Debentures due in 2010, 12%, subject to annual sinking fund requirements of \$4 million	46	51
Industrial revenue bonds, maturing from 1993 through 2012, at rates from 5.75% to 10.25%	22	22
Debentures due in 2000, 9.5%, subject to annual sinking fund requirements of \$3 million	20	21
Bonds, payable in Swiss francs, due in 2000, 5.375%	9	10
Extendable notes due in 2005, 11.15% through 1993	8	8
Junior subordinated discount debentures due in 2006 (net of unamortized discount of \$20 million in 1990)	—	189
Debentures, payable in Canadian dollars, due in 1991, 10%	—	30
	1,166	1,133
Less: Current portion	(18)	(47)
Total long-term debt	\$ 1,148	\$ 1,086

The Company has two unsecured, variable rate bank credit facilities. The first facility has a maximum commitment of \$475 million at December 31, 1991 (of which \$282 million was unused), reducing to \$325 million over its remaining 2½ year term. The rate of interest at December 31, 1991, is the lower of the bank's base rate, 1% over the certificate of deposit rate, or 1% over the London Interbank Offered Rate (LIBOR). The margin over the interest rate, as described above, reduces as the amount of debt outstanding under the facility is reduced. The rate of interest on borrowings under this facility was 5.4% at December 31, 1991. A commitment fee of ¼ of 1% is charged on the unused portions of this facility.

The second facility, established in 1989 to finance the acquisition of Fiberglas Canada Inc. (FCI) (Note 17), is payable in Canadian dollars and has a maximum commitment of 135 million Canadian dollars (\$117 million U.S.) at December 31, 1991, of which 71 million Canadian dollars (\$61 million U.S.) is unused. The rate of interest at December 31, 1991, is the lower of the Canadian prime rate, or ¾ of 1% over the Canadian bankers' acceptance rate, or ¾ of 1% over the Canadian cost of funds rate. The rate of interest on borrowings under this facility was 8.2% at December 31, 1991. A commitment fee of ¼ of 1% is charged on the unused portions of this facility.

The agreements relating to the facilities described above contain covenants which include requirements for the maintenance of working capital and minimum coverage of fixed charges, restrictions on the early retirement of debt and on additional borrowings, limitations on capital expenditures and certain investments, a minimum cash EBIT requirement, and restrictions on the payment of dividends and purchase of Company stock. The agreements include a change of control provision which would result in all of the unpaid principal and all of the accrued interest of the facilities becoming due immediately upon a change of control in ownership of the Company. A material adverse change in the Company's business, assets, liabilities, financial condition or results of operations constitutes a default under the agreements.

In April 1991, the Company issued \$173 million of convertible junior subordinated debentures, due December 30, 2005, with an interest rate of 8% per annum, payable semi-annually. The debentures are subordinated to all present and future indebtedness of the Company and may be redeemed at the option of the Company beginning June 30, 1994. Prior to redemption or maturity, the debentures are convertible into shares of common stock of the Company at a conversion price of \$29.75 per share, subject to adjustment in certain events. The Company has reserved approximately six million additional shares of common stock necessary for conversion.

2. Long-Term Debt (Continued)

In June 1991, a European subsidiary of the Company issued \$150 million of guaranteed debentures, due June 1, 2001, with an interest rate of 10% per annum, payable semi-annually. The debentures are unsecured and rank equally with all other unsecured and unsubordinated indebtedness of the issuer and are unconditionally guaranteed by the Company.

In August 1991, FCI, a foreign subsidiary of the Company, issued \$100 million of guaranteed debentures, due August 15, 1998, with an interest rate of 9.8% per annum, payable semi-annually. The debentures are unsecured and rank equally with all other unsecured and unsubordinated indebtedness of the issuer and are unconditionally guaranteed by the Company.

In December 1991, the Company called at par the remaining outstanding principal amount of \$208 million of its junior subordinated discount debentures due in 2006. No significant gain or loss was realized. During 1990 and 1989, the Company purchased, prior to maturity, portions of its junior subordinated discount debentures having face values of \$125 million and \$12 million, respectively. Purchases in 1989 were made at prices which approximated book value. Purchases in 1990 were made at prices in excess of book value and resulted in an extraordinary loss of \$1 million (\$.03 per share), net of related income taxes of \$1 million.

The senior subordinated debentures are subject to annual sinking fund requirements of \$60 million starting in 1997, and may be redeemed by the Company at par. The senior subordinated debentures are subordinated to all other debt.

During 1990 the Company purchased, prior to maturity, a portion of its senior subordinated debentures having face value of \$60 million. The purchase was made at a price in excess of book value which resulted in an extraordinary loss of \$1 million (\$.02 per share), net of related income taxes of \$1 million. As a result of this purchase, the Company's sinking fund requirement for this debt issue is deferred until 1998.

The aggregate maturities and sinking fund requirements for all long-term debt issues for each of the five years following December 31, 1991 are:

Year	(In millions of dollars)	Amount
1992		\$ 18
1993		31
1994		287
1995		13
1996		31

3. Short-Term Debt

(In millions of dollars)	1991	1990
Balance outstanding at December 31	\$ 6	\$ 167
Weighted average interest rates on short-term debt outstanding at December 31	11.5%	9.5%

The Company had short-term unused lines of credit totalling \$232 million and \$168 million at December 31, 1991 and 1990, respectively.

4. Science and Technology Expenses

Science and technology expenses include research and development costs of \$43 million in 1991, \$46 million in 1990, and \$35 million in 1989. In addition to research and development costs, science and technology expenses include continuing commercial activities such as engineering and product modifications for special applications and testing.

5. Income Taxes

<i>In millions of dollars</i>	1991	1990	1989
Income (loss) before provision (credit) for income taxes:			
U.S.	\$ (749)	\$ 140	\$ 169
Foreign	(10)	(12)	97
Total	<u>\$ (759)</u>	<u>\$ 128</u>	<u>\$ 266</u>
Provision (credit) for income taxes:			
Current			
U.S.	\$ 53	\$ 42	\$ 46
State and local	8	11	13
Foreign	9	20	48
Total current	<u>70</u>	<u>73</u>	<u>107</u>
Deferred			
U.S.	(308)	1	(2)
State and local	(9)	(2)	(2)
Foreign	9	(14)	-
Total deferred	<u>(308)</u>	<u>(15)</u>	<u>(4)</u>
Total provision (credit) for income taxes	<u>\$ (238)</u>	<u>\$ 58</u>	<u>\$ 103</u>

Deferred income taxes result from timing differences in the recognition of certain items for income tax and financial statement purposes. The sources of these differences and the net tax provisions are:

<i>(In millions of dollars)</i>	1991	1990	1989
Asbestos litigation claims	\$ (290)	\$ (8)	\$ (13)
Depreciation	(14)	19	5
Furnace rebuild reserves	(4)	(1)	(2)
Interest expense	1	(9)	14
Vacation pay	(2)	(1)	2
Undistributed earnings of foreign subsidiaries	10	(17)	2
State and local tax expense	3	2	(2)
Pension expense	(1)	-	(4)
Warranty and product liability accrual	(6)	(4)	(3)
Other postretirement benefits	(6)	-	-
Restructuring	3	-	(4)
Other	(2)	4	1
Deferred tax credit	<u>\$ (308)</u>	<u>\$ (15)</u>	<u>\$ (4)</u>

The reconciliation between the U.S. federal statutory rate and the Company's effective income tax rate is:

	1991	1990	1991
U.S. federal statutory rate	34%	34%	34%
Operating losses of foreign subsidiaries	(2)	17	-
Difference between foreign tax rates and U.S. statutory rate	1	3	4
Provision for taxes on undistributed earnings of foreign subsidiaries	(2)	(13)	5
State and local income taxes	-	5	3
Other	-	(1)	(7)
Effective tax rate	<u>31%</u>	<u>45%</u>	<u>39%</u>

At December 31, 1991, the Company had book net operating loss carryforwards for certain of the Company's foreign subsidiaries of approximately \$100 million, the benefit of which has not been reflected in the financial statements. For tax return purposes, these foreign subsidiaries have a tax net operating loss carryforward of approximately \$75 million at December 31, 1991, which will, if unused, expire through 1998.

In the fourth quarter of 1989, the Company reached a settlement with the Internal Revenue Service concerning the treatment of specific assets for federal income tax purposes. The impact of this settlement increased 1989 net income by approximately \$38 million which resulted from the reduction of previously established interest accruals and a refund of previously paid interest and taxes.

In December 1987, the Financial Accounting Standards Board (FASB) issued Statement No. 96, "Accounting for Income Taxes". In December 1991, the FASB delayed the requirement to adopt the new standard until fiscal years beginning after December 15, 1992. In June 1991, the FASB issued an exposure draft which would supersede Statement No. 96. A final statement is expected to be issued in the first quarter 1992, with an effective date for fiscal years beginning 1993. The estimated impact of the statement is not known at this time.

6. Inventories

During 1991, certain inventories were reduced, resulting in the liquidation of LIFO inventory layers carried at lower costs in prior years as compared with the current cost of inventory. The effect of these inventory reductions was to reduce 1991 cost of sales by \$6 million.

Inventories are summarized as follows:

<i>(In millions of dollars)</i>	1991	1990
Finished goods	\$ 192	\$ 211
Materials and supplies	122	135
	314	346
Less: Reduction to LIFO basis	(95)	(109)
	<u>\$ 219</u>	<u>\$ 237</u>

Approximately \$99 million and \$95 million of net inventories were valued using the LIFO method at December 31, 1991 and 1990, respectively.

7. Investments in Affiliates

At December 31, 1991, the Company's affiliates, which generally are engaged in the manufacture of fibrous glass products for the insulation, construction, reinforcements, and textile markets, are:

	Percent Ownership 1991	Percent Ownership 1990
Amiantit Fiberglass Industries, Ltd. (Saudi Arabia)	30.0%	30.0%
Arabian Fiberglass Insulation Company (Saudi Arabia)	49.0	49.0
Asahi Fiber Glass Company, Ltd. (Japan)	28.0	28.0
CAE Fiberglass, Ltd. (Canada)	25.0	25.0
Lucky Fiber Glass Corp. (Korea)	30.0	-
Polyplaster, S.A. (Brazil)	-	31.7
Siam GRP Industries (Thailand)	20.0	-
Vitro-Fibras, S.A. (Mexico)	40.0	40.0

Summarized total financial information for the Company's affiliates, including the operating results of FCI prior to its becoming a wholly owned subsidiary in 1989 (Note 17):

<i>(In millions of dollars)</i>	1991	1990	1989
At December 31:			
Current assets	\$ 164	\$ 185	\$ 155
Noncurrent assets	231	222	202
Current liabilities	206	241	210
Noncurrent liabilities	58	55	52
For the year:			
Net sales	467	398	617
Gross margin	100	91	167
Net income	27	20	34

The Company's equity in undistributed net income of affiliates was \$26 million at December 31, 1991.

8. Accounts Payable and Accrued Liabilities

<i>(In millions of dollars)</i>	1991	1990
Accounts payable	\$ 156	\$ 170
Payroll and vacation pay	66	61
Payroll, property, and miscellaneous taxes	37	37
Other postretirement benefits liability	19	-
Restructuring	18	52
Other	113	98
	<u>\$ 409</u>	<u>\$ 418</u>

9. Consolidated Statement of Cash Flows

The Company considers all highly liquid debt instruments purchased with a maturity of three months or less to be cash equivalents.

Cash equivalents include time deposits of \$4 million as of December 31, 1990.

Cash payments for income taxes and cost of borrowed funds are summarized as follows:

<i>(In millions of dollars)</i>	1991	1990	1989
Income taxes	\$ 85	\$ 77	\$ 127
Cost of borrowed funds	108	130	126

10. Leases

The Company leases certain office and warehouse facilities and equipment under operating leases, some of which include cost escalation clauses, expiring on various dates through 2010. Total rental expense charged to operations was \$44 million in 1991, \$39 million in 1990, and \$40 million in 1989. At December 31, 1991, the minimum future rental commitments under noncancellable leases payable over the remaining lives of the leases are:

Period	<i>(In millions of dollars)</i>	Minimum Future Rental Commitments
1992		\$ 22
1993		18
1994		11
1995		7
1996		4
1997 through 2010		16
		<u>\$ 78</u>

11. Stock Compensation Plans

As of December 31, 1991, the Company's shareholders have authorized 6,300,000 common shares for the granting of stock relating to its stock compensation plans. These plans provide that common shares may be granted for stock options, stock appreciation rights, deferred stock awards, restricted stock, and for the sale of stock as part of stock purchase awards.

Stock Options

Activity during 1991 and 1990 in shares under option are:

	1991		1990	
	Number of Shares	Price Range Per Share	Number of Shares	Price Range Per Share
Beginning of year	1,878,803	\$12.13 - 26.88	1,389,567	\$12.13 - 26.88
Options granted	771,600	17.86 - 26.75	592,500	18.75
Options exercised	646,898	12.13 - 23.13	43,380	12.13 - 19.13
Options cancelled	21,516	12.13 - 26.75	39,884	12.13 - 23.13
End of year	1,981,989	\$12.13 - 26.88	1,878,803	\$12.13 - 26.88
Exercisable	822,328	\$12.13 - 26.88	1,037,161	\$12.13 - 26.88

Option prices represent the market price at date of grant. Shares issued under options are recorded in the common stock accounts at the option price. Options granted vest ratably through 1997.

Stock Appreciation Rights

Stock appreciation rights (SARs) have been granted to employees in tandem with some stock options, and may be paid in cash or stock. At December 31, 1991, rights covering 323,071 shares were outstanding and exercisable. The Company accrues expense in connection with the SARs to the extent that the market price of its common stock exceeds the grant price of the shares subject to such rights. Total SARs expense was \$7 million for 1991, \$6 million credit for 1990 and \$4 million expense for 1989.

Deferred Stock Awards

At December 31, 1991, the Company had 728,997 shares of deferred stock outstanding. Deferred stock awards vest ratably from 1990 through 1994. During 1991, no deferred stock was granted. 21,000 shares were cancelled and 366,203 shares were issued.

Compensation expense is measured based on the market price of the stock at date of grant and is recognized on a straight-line basis over the vesting period.

Restricted Stock Awards

At December 31, 1991, the Company had 360,250 shares of restricted stock outstanding. Stock restrictions lapse in 1999.

Stock Purchase Awards

The Company has made stock purchase awards under which certain employees have purchased 894,700 shares. No purchases were made by employees in 1991 or 1990.

12. Share Purchase Rights

Each outstanding share of the Company's common stock includes a preferred share purchase right. Each right entitles the holder to buy from the Company one one-hundredth of a share of Series A Participating Preferred Stock of the Company at a price of \$50. The Board of Directors has designated 450,000 shares of the Company's authorized preferred stock as Series A Participating Preferred Stock. There are currently no preferred shares outstanding.

Rights become exercisable and detach from the common stock ten days after a person or group acquires, or announces a tender offer for, 20% or more of the Company's outstanding shares of common stock. The rights expire on December 30, 1996, unless redeemed earlier by the Company. The rights are redeemable by the Company at one cent each at any time prior to ten days following public announcement or notice to the Company that an acquiring person or group has purchased 20% or more of the Company's outstanding common stock. If the Company is acquired in a merger or other business combination at any time after the rights become exercisable, each right would entitle its holder to buy shares of the acquiring or surviving company having a market value of twice the exercise price of the right.

13. Postretirement Benefits Other Than Pensions

The Company and its subsidiaries maintain health care and life insurance benefit plans. Individuals participating in these plans include retired employees and their dependents. The health care plans are unfunded and pay either 1) stated percentages of covered medically necessary expenses incurred by retirees, after subtracting payments by Medicare or other providers and after stated deductibles have been met, or 2) fixed amounts of medical expense reimbursements. Employees become eligible to participate in the health care plans upon retirement under one of the Company's pension plans. Some of the plans are contributory, with some retiree contributions adjusted annually. The Company has reserved the right to change or eliminate these benefit plans subject to the terms of collective bargaining agreements during their term.

The Company adopted Statement of Financial Accounting Standards No. 106, "Employers' Accounting for Postretirement Benefits Other Than Pensions" as of January 1, 1991, for its domestic plans. This new standard requires that the expected cost of these postretirement benefits must be charged to expense during the years that eligible employees render service. The Company has elected to charge the cumulative effect of the unfunded obligation of \$344 million pre-tax (\$227 million after-tax) against earnings as of January 1, 1991. The effect of this change in accounting was to decrease 1991 pre-tax income by \$362 million. Prior to 1991, the Company recognized postretirement health care costs in the year that the benefits were paid. These costs were \$24 million in 1990 and \$21 million in 1989. Total retiree health care and life insurance expense was \$35 million for 1991 under the new standard.

The following table reconciles the status of accrued postretirement health care cost liability at October 31, 1991, as reflected on the balance sheet as of December 31, 1991:

<i>(In millions of dollars)</i>	1991
Accumulated Postretirement Benefit Obligation:	
Retirees	\$ (237)
Fully eligible active plan participants	(27)
Other active plan participants	(98)
Accrued postretirement health care cost liability (includes current liabilities of \$19 million)	\$ (362)

Net postretirement health care cost for 1991 included the following components:

<i>(In millions of dollars)</i>	1991
Service cost	\$ 6
Interest cost on accumulated postretirement benefit obligation	29
Net postretirement health care cost	\$ 35

For measurement purposes, an 11.5% annual rate of increase in the per capita cost of covered health care claims was assumed for 1992. The rate was assumed to decrease to 11.0% for 1993, then decrease gradually to 8%. The health care cost trend rate assumption has a significant effect on the amounts reported. To illustrate, increasing the assumed health care cost trend rates by one percentage point in each year would increase the accumulated postretirement benefit obligation as of October 31, 1991, by \$35 million and the aggregate of the service and interest cost components of net postretirement health care cost for the year then ended by \$5 million. The discount rate used in determining the accumulated postretirement benefit obligation was 8.6%.

14. Pension Plans

The Company has several pension plans covering substantially all full-time employees.

Under the plans, pension benefits are generally based on an employee's number of years of service and compensation. Company contributions to pension plans are based on the calculations of an independent actuary using the projected unit credit method. Plan assets consist primarily of domestic and foreign equity securities with the balance in fixed income investments. The unrecognized cost of retroactive amendments and actuarial gains and losses are amortized over the average future service of plan participants expected to receive benefits.

Pension expense for the Company's defined benefit pension plans includes the following:

<i>(In millions of dollars)</i>	1991	1990	1989
Service cost	\$ 18	\$ 21	\$ 18
Interest cost on projected benefit obligation	58	58	53
Actual (return) loss on plan assets	(147)	34	(114)
Net amortization and deferral	75	(110)	51
Net pension expense	\$ 4	\$ 3	\$ 8

The funded status at October 31, 1991 and 1990 is as follows:

<i>(In millions of dollars)</i>	1991	1990
Vested benefit obligation	\$ 492	\$ 442
Accumulated benefit obligation	\$ 589	\$ 526
Plan assets at fair value	\$ 715	\$ 614
Projected benefit obligation	691	625
Over (under) funded status	24	(11)
Less: Unrecognized loss (gain)	31	74
Unrecognized prior service cost	(32)	(29)
Unrecognized transition amount	(74)	(79)
Net pension liability (includes current liabilities of \$9 million in 1991 and \$1 million in 1990 and \$12 million in other noncurrent assets in 1991)	\$ (51)	\$ (45)

The 1991, 1990 and 1989 primary actuarial assumptions used for pension plans were:

	1991	1990	1989
Discount rate	8.6%	9.5%	8.9%
Expected long-term rate of return on assets	10.0%	10.0%	10.0%
Rate of compensation increase	4.5%	4.5%	4.5%

The Company also sponsors defined contribution plans available to substantially all domestic employees. Company contributions for the plans are based on matching a percentage of employee savings up to a maximum savings level. The Company's contribution was \$7 million in 1991, \$6 million in 1990, and \$6 million in 1989.

15. Financial Instruments With Off-Balance-Sheet Risk and Significant Group Concentrations of Credit Risk

The Company is a party to financial instruments with off-balance-sheet risk in the normal course of business to help meet financing needs and to reduce exposure to fluctuating foreign currency exchange rates. The Company is exposed to credit loss in the event of nonperformance by the other parties to the financial instruments described below. However, the Company does not anticipate nonperformance by the other parties. The Company does not generally require collateral or other security to support these financial instruments.

The Company enters into forward currency exchange contracts to hedge against foreign currency fluctuations on certain assets and liabilities denominated in foreign currencies. As of December 31, 1991, the Company had forward currency exchange contracts maturing in 1992 to exchange 2 billion Belgian francs into 9 million British pounds, 20 billion Italian lira, 76 million Swedish krona and various other currencies. The Company has a forward currency exchange contract maturing in 1992 to exchange 190 million Swedish krona against approximately \$31 million U.S. dollars to hedge an equity investment in a European subsidiary. Gains and losses on hedges of net investments in foreign subsidiaries are included in stockholders' equity. Gains and losses on other foreign currency hedges are included in income in the year in which the exchange rates change.

As of December 31, 1991, the Company had entered into three interest rate swap agreements to reduce the interest rates on its fixed rate borrowings. These agreements effectively convert an aggregate principal amount of \$100 million of fixed rate long-term debt into variable rate borrowings with interest rates ranging from 5.125% to 9.678%. The agreements mature in August 1998. The differential interest to be paid or received is accrued as interest rates change and is recognized over the life of the agreements.

FCI has a cross-currency interest rate conversion agreement from U.S. dollars into Canadian dollars to hedge the interest and principal payments of its 9.8% guaranteed debentures, due in 1998. The agreement establishes a fixed interest rate of 12.065%.

The Company has a cross-currency interest rate conversion agreement from Deutsche marks into U.S. dollars to hedge the interest and principal payments of its 7.25% Deutsche mark bonds, due in 2000. The agreement establishes a fixed interest rate of 11.1%.

16. Restructuring of Operations

During the fourth quarter of 1990, the Company initiated a restructuring plan to reduce costs and further integrate North American operations in response to weakness in many of its major markets. In connection with this plan, the Company recorded a \$65 million pre-tax charge which included \$26 million for personnel reductions, \$14 million for the write-down of fixed assets and \$25 million for other items.

During the fourth quarter of 1989, the Company initiated its North American restructuring plan to reduce costs and integrate its facilities with those of Fiberglas Canada Inc. (Note 17). In connection with this plan, the Company recorded a \$30 million pre-tax charge which included \$19 million for severance and early retirement benefits and \$11 million for the write-down of fixed assets and for other related costs.

17. Acquisition of Fiberglas Canada Inc.

In August 1989, the Company acquired approximately 50% of the outstanding capital stock of Fiberglas Canada Inc. (FCI) for \$197 million. Prior to the acquisition, the Company owned approximately 50% of FCI and accounted for such investment using the equity method. Beginning with the fourth quarter of 1989, the financial position and results of operations of FCI are reflected on a consolidated basis in the accompanying consolidated financial statements.

The acquisition has been accounted for under the purchase method, whereby the purchase price of the additional capital stock has been allocated to the underlying assets and liabilities based on their respective fair values at the date of acquisition.

Summarized below are the unaudited consolidated results of operations of the Company and FCI on a pro forma basis as though FCI had been acquired as of the beginning of 1989. These results include certain adjustments, primarily increased amortization, depreciation, and interest expense, and are not necessarily indicative of what the results would have been had the Company owned FCI during the period.

<i>In millions of dollars, except share data.</i>	1989
Net sales	\$ 3,191
Income before extraordinary item	157
Net income	157
Per share of common stock:	
Income before extraordinary item	\$ 3.72
Net income	3.72

18. Reclassifications

Certain reclassifications have been made to 1990 and 1989 to conform with the classifications used in 1991, including the reclassification of cash discounts on sales from other expenses to net sales.

19. Industry Segments

The Company operates in two industry segments, the Construction Products Group and the Industrial Materials Group and reports its results in two ways: by business segment and geographically.

The business segments are as follows:

Construction Products

Production and sale of glass wool fibers formed into thermal and acoustical insulation and air ducts; roofing shingles, built-up roofing systems and asphalt materials; calcium silicate insulation; and underground storage tanks.

Industrial Materials

Production and sale of glass fiber yarns, rovings, mats, strand and reinforcement products, and resins and gelcoats.

The business segment reporting is as follows: Construction Products Group, with a breakdown of results by principal business areas - the United States, and Canada and other; Industrial Materials Group, with results detailed for the United States, and Europe and other.

The geographic reporting combines the two business segments within the major regions: United States, Europe and other, and Canada.

Intercompany sales are generally recorded at market or equivalent value. Income (loss) from operations by industry segment consists of net sales less related costs and expenses.

In computing income (loss) from operations by segment, cost of borrowed funds and other general corporate income and expenses have been excluded. Certain corporate operating expenses directly traceable to industry segments have been allocated to those segments. The pre-tax charge of \$65 million related to the Company's restructuring (Note 16) reduced 1990 income (loss) from operations for the Construction Products Group by \$8 million in the United States and \$41 million in Canada and other; the Industrial Materials Group by \$1 million in the United States and \$7 million in Europe and other; and increased the general corporate expense by \$8 million. In 1989, the Company recorded \$30 million in restructuring charges, which reduced 1989 income from operations for the Construction Products Group by \$9 million in the United States and \$4 million in Canada and other; the Industrial Materials Group by \$3 million in the United States; and increased the general corporate expense by \$14 million.

Identifiable assets by industry segment are those assets that are used in the Company's operations in each industry segment and do not include general corporate assets. General corporate assets consist primarily of cash, time deposits, deferred taxes, and corporate property and equipment.

19. Industry Segments (Continued)

(In millions of dollars) (Note 18)	1991	1990	1989
Business Segments			
Net Sales			
Construction Products			
United States	\$1,578	\$1,704	\$1,755
Canada and other	262	303	172
Industrial Materials			
United States	422	469	520
Europe and other	521	593	517
	<u>2,783</u>	<u>3,069</u>	<u>2,964</u>
Intercompany sales			
Construction Products			
United States	-	-	-
Canada and other	-	-	-
Industrial Materials			
United States	90	93	71
Europe and other	19	3	1
Eliminations	(109)	(96)	(72)
Consolidated net sales	<u>\$2,783</u>	<u>\$3,069</u>	<u>\$2,964</u>
Income (Loss) from Operations			
Construction Products			
United States	\$ 92	\$ 131	\$ 158
Canada and other	13	(15)	25
Industrial Materials			
United States	72	107	140
Europe and other	60	106	137
General corporate expense	(865)	(36)	(28)
Income (loss) from operations	(628)	293	432
Cost of borrowed funds	(131)	(165)	(166)
Income (loss) before provision for income taxes	<u>\$ (759)</u>	<u>\$ 128</u>	<u>\$ 266</u>

(In millions of dollars)	1991	1990	1989
Business Segments			
Identifiable Assets at December 31			
Construction Products			
United States	\$ 583	\$ 620	\$ 660
Canada and other	215	255	276
Industrial Materials			
United States	238	246	272
Europe and other	429	489	454
General corporate	596	165	234
	<u>2,061</u>	<u>1,775</u>	<u>1,896</u>
Investments in affiliates accounted for under the equity method	45	32	28
Total assets	<u>\$2,106</u>	<u>\$1,807</u>	<u>\$1,924</u>
Depreciation and Amortization			
Construction Products			
United States	\$ 60	\$ 65	\$ 66
Canada and other	12	12	6
Industrial Materials			
United States	23	26	36
Europe and other	27	28	22
General corporate	10	8	7
Total depreciation and amortization	<u>\$ 132</u>	<u>\$ 139</u>	<u>\$ 137</u>
Additions to Plant and Equipment			
Construction Products			
United States	\$ 50	\$ 54	\$ 57
Canada and other	6	9	3
Industrial Materials			
United States	16	25	26
Europe and other	19	26	31
General corporate	5	7	8
Total additions	<u>\$ 96</u>	<u>\$ 121</u>	<u>\$ 125</u>

19. Industry Segments (Continued)

<i>(In millions of dollars) (Note 18)</i>	1991	1990	1989
Geographic Segments			
Net Sales			
United States	\$2,000	\$2,173	\$2,275
Europe and other	529	582	548
Canada	254	314	141
	<u>2,783</u>	<u>3,069</u>	<u>2,964</u>
Intercompany sales			
United States	90	93	71
Europe and other	4	3	1
Canada	15	-	-
Eliminations	(109)	(96)	(72)
Consolidated net sales	<u>\$2,783</u>	<u>\$3,069</u>	<u>\$2,964</u>
Income (Loss) from Operations			
United States	\$ 164	\$ 238	\$ 298
Europe and other	67	118	151
Canada	6	(27)	11
General corporate expense	(865)	(36)	(28)
Income (loss) from operations	(628)	293	432
Cost of borrowed funds	(131)	(165)	(166)
Income (loss) before provision for income taxes	<u>\$ (759)</u>	<u>\$ 128</u>	<u>\$ 266</u>

<i>(In millions of dollars)</i>	1991	1990	1989
Geographic Segments			
Identifiable Assets at December 31			
United States	\$ 821	\$ 866	\$ 932
Europe and other	376	429	399
Canada	268	315	331
General corporate	596	165	234
	<u>2,061</u>	<u>1,775</u>	<u>1,896</u>
Investments in affiliates accounted for under the equity method	45	32	28
Total assets	<u>\$2,106</u>	<u>\$1,807</u>	<u>\$1,924</u>
Depreciation and Amortization			
United States	\$ 83	\$ 91	\$ 102
Europe and other	25	25	22
Canada	14	15	6
General corporate	10	8	7
Total depreciation and amortization	<u>\$ 132</u>	<u>\$ 139</u>	<u>\$ 137</u>
Additions to Plant and Equipment			
United States	\$ 66	\$ 79	\$ 83
Europe and other	18	26	30
Canada	7	9	4
General corporate	5	7	8
Total additions	<u>\$ 96</u>	<u>\$ 121</u>	<u>\$ 125</u>

20. Quarterly Financial Information (Unaudited)

In millions of dollars, except share data)	Quarter			
	First	Second	Third	Fourth
1991*				
Net Sales	\$ 612	\$ 735	\$ 749	\$ 687
Cost of Sales	501	578	580	527
Gross profit	\$ 111	\$ 157	\$ 169	\$ 160
Income (Loss) before Extraordinary Item and Cumulative Effect of Accounting Change	\$ (25)	\$ 13	\$ 26	\$ (529)
Cumulative effect of accounting change	(227)	-	-	-
Net Income (Loss)	\$ (252)	\$ 13	\$ 26	\$ (529)
Net Income (Loss) Per Share				
Primary				
Income (loss) before extraordinary item and cumulative effect of accounting change	\$ (.62)	\$.32	\$.62	\$ (12.83)
Cumulative effect of accounting change	(5.58)	-	-	-
Net Income (Loss) Per Share	\$ (6.20)	\$.32	\$.62	\$ (12.83)
Fully diluted				
Income (loss) before extraordinary item and cumulative effect of accounting change	\$ (.62)	\$.32	\$.59	\$ (12.83)
Cumulative effect of accounting change	(5.58)	-	-	-
Net Income (Loss) Per Share	\$ (6.20)	\$.32	\$.59	\$ (12.83)

*See Notes 1, 13 and 18 to the consolidated financial statements.

Previously reported 1991 interim financial statements have been revised to give effect to the adoption of Statement of Financial Accounting Standards No. 106 as of January 1, 1991.

Net income (loss) per share and primary and fully diluted weighted average shares are computed independently for each of the quarters presented. Therefore, the sum of the quarterly net income (loss) per share in 1991 does not equal the per share total for the year.

(In millions of dollars, except share data)	Quarter			
	First	Second	Third	Fourth
1990*				
Net sales	\$ 740	\$ 759	\$ 812	\$ 758
Cost of sales	538	558	611	597
Gross profit	<u>\$ 202</u>	<u>\$ 201</u>	<u>\$ 201</u>	<u>\$ 161</u>
Income (loss) before extraordinary item and cumulative effect of accounting change	\$ 33	\$ 39	\$ 35	\$ (32)
Extraordinary loss from early retirement of debt	(1)	-	-	(1)
Net income (loss)	<u>\$ 32</u>	<u>\$ 39</u>	<u>\$ 35</u>	<u>\$ (33)</u>
Primary and fully diluted net income (loss) per share				
Income (loss) before extraordinary item and cumulative effect of accounting change	\$.79	\$.92	\$.84	\$ (.77)
Extraordinary loss	(.03)	-	(.01)	(.01)
Net income (loss) per share	<u>\$.76</u>	<u>\$.92</u>	<u>\$.83</u>	<u>\$ (.78)</u>

*See Notes 16 and 18 to the consolidated financial statements.

Directors and Officers

As of December 31, 1991

DIRECTORS

William W. Boeschstein 1, 4
Former Chairman of the Board and
Chief Executive Officer
Owens-Corning Fiberglas

Paul V. Daverio
Senior Vice President and
Chief Financial Officer
Owens-Corning Fiberglas

Charles E. Exley, Jr. 3, 4
Former Chairman of the Board and
Chief Executive Officer
NCR Corporation

Landon Millard 3, 4, 5
Partner, Brown Brothers
Harriman & Co.

James R. Houghton 2, 5
Chairman of the Board and
Chief Executive Officer
Corning Incorporated

David T. McGovern 3
Of Counsel, Shearman & Sterling

Furman C. Moseley, Jr. 1, 2, 4
President, Simpson Investment
Company and Chairman
Simpson Paper Company

Peter L. Scott 1, 2, 4, 5
Former Chairman of the Board
The Black & Decker Corporation

Max O. Weber 1
Chairman of the Board and
Chief Executive Officer
Owens-Corning Fiberglas

Directors serve on
committees of the Board as
indicated by the numbers
following their names.

1. Executive Committee
William W. Boeschstein
Acting Chairman

2. Compensation Committee
James R. Houghton
Chairman

3. Audit Committee
Charles E. Exley, Jr.
Chairman

4. Trust Review Committee
Furman C. Moseley, Jr.
Chairman

5. Corporate Governance
Committee

CORPORATE OFFICERS

Max O. Weber
Chairman of the Board and
Chief Executive Officer

William W. Colville
Senior Vice President and
General Counsel

Charles H. Dana
Senior Vice President and
President
Industrial Materials Group

Paul V. Daverio
Senior Vice President and
Chief Financial Officer

Robert D. Heddens
Senior Vice President
Human Resources

Larry T. Solari
Senior Vice President and
President
Construction Products Group

Charles D. McGill
Vice President
Information Systems

Dr. Joel R. Bender
Vice President
Health, Safety and
Environmental Affairs

Bert E. Elliott
Vice President
Administration

William F. Dent
Vice President
Tax

Daniel W. Dymarkowski
Vice President
Industrial Relations

C. Peter Hauck
Vice President and
Controller

Dr. Jon L. Konzen
Vice President
Medical and Health Affairs

Michael J. Miller
Vice President and
Treasurer

Bradford C. Oelman
Vice President
Corporate Relations

Gilbert Soors
Vice President
International Finance and
Assistant Treasurer

TECHNOLOGY

Dr. Sharell L. Mikesell
Vice President
Technology

Dr. Grant F. Carruth
Vice President Industrial
Materials and International
Research and Development

Dr. Robert L. Houston
Vice President
Construction Products
Research and Development

Walter B. Reed
Vice President
Corporate Engineering

**CONSTRUCTION
PRODUCTS GROUP**

Larry T. Solari
President

**Insulation
Operating Division**

Alan D. Booth
Vice President
Manufacturer and
Mechanical Insulation

Frank E. Glover
Vice President
Marketing
Retail and Distribution
Insulation

Richard O. Webb
Vice President
Manufacturing

**Roofing Products
Operating Division**

Carl S. Hedlund
Vice President and
General Manager

William P. Jenks
Vice President
Trumbull Products

Rudolph H. Kizer
Vice President
Manufacturing

**New Products
Division**

Dennis R. Barber
Vice President and
General Manager

**Commercial Roofing
Products**

Timothy E. Walsh
Vice President

Planning

Wayne A. Earley
Vice President

Sales

J. Peter Detgen
Vice President

Robert D. Bolyard
Vice President
Western Region Sales

David T. Brown
Vice President
Southwest Region Sales

Robert Q. Keavy
Vice President
Midwest Sales

Michael J. Krach
Vice President
Eastern Region Sales

Jerry C. Sutter
Vice President
National Accounts

**INDUSTRIAL MATERIALS
GROUP**

Charles H. Dana
President

Charles R. Bland
Vice President
Financial and Business
Planning

Robert J. DeGange
Vice President
Textile Materials
Marketing

John B. Jenks
Vice President
Resins and Coatings
Division

Warren D. Knowlton
Vice President
Sales

Patrick F. Moore
Vice President
Reinforcements Materials
Marketing

Robert G. Pistole
Vice President
Manufacturing

O/C Tanks Corporation

J. Thomas Solon
President

European Operations

Gregoire Amory
Vice President

Jean Delville
Vice President
Commercial Operations

Andre Toussaint
Vice President
Technical Operations

Elthimios O. Vidalis
Vice President
Reinforcements Division

INTERNATIONAL

James S. Hearons
Vice President

J. Dennis Menton
Vice President
Marketing, Technical
and Asia/Pacific Operations

Scott K. Koepke
Vice President
Brazilian Operations

Fiberglas Canada Inc.

Derek J. Holden
Vice President, OCF and
President and Chief Executive
Officer

Richard B. Friesen
Group Vice President
Insulation

Len G. Hughes
Vice President
Administration

John A. Vermeulen
Vice President
Marketing and Sales

General Information

Corporate Address

Owens-Corning Fiberglas Corporation
Fiberglas Tower
Toledo, Ohio 43659
(419) 248-8000

Shareholder Services

Owens-Corning maintains a Shareholder Services Office at corporate headquarters in Toledo, Ohio to assist stockholders. Inquiries are welcome at the corporate address.

Transfer Agent and Registrar

Manufacturers Hanover Trust Company acts as both Transfer Agent and Registrar for the Company. Questions on change of ownership, total shares owned, consolidation of accounts, and other such matters should be sent to Manufacturers Hanover Trust Company, Securityholder Relations, P.O. Box 24935 - Church Street Station, New York, New York 10249, or phone 1-800-647-4273.

Auditors

Arthur Andersen & Co., Toledo, Ohio is the independent public accounting firm for the Company.

Change of Address

A change of address should be reported promptly by sending a letter to Manufacturers Hanover Trust Company, Securityholder Relations, P.O. Box 24935 - Church Street Station, New York, New York 10249.

Form 10-K

The Company will provide without charge to any person who is a beneficial owner of its shares a copy of the Company's 1991 Annual Report on Form 10-K, as filed with the Securities and Exchange Commission. Requests should be addressed to Sharon Traudt, Office of the Secretary, Owens-Corning Fiberglas Corporation, Fiberglas Tower, Toledo, Ohio 43659.

Annual Meeting

The annual stockholders meeting of Owens-Corning Fiberglas Corporation will be held in One SeaGate Auditorium, One SeaGate, (Jackson and Summit Streets), Toledo, Ohio at 2 p.m. Thursday, April 16, 1992.

Stock Exchange

Owens-Corning Fiberglas stock is listed for trading on the New York Stock Exchange under the symbol OCF.

Designed and Produced by Lesniewicz Associates Inc., Toledo, Ohio Printed by Rad-Mar Press, Inc., Toledo, Ohio.

OWENS-CORNING

FIBERGLAS

CORPORATION

Fiberglas Tower

Toledo, Ohio 43659

Sales Agreement

Owens-Illinois Glass Company, hereinafter referred to as "Seller", and Owens-Corning Fiberglas Corporation, hereinafter referred to as "Buyer", have this day agreed as follows:

1. During the term of this Agreement, Buyer will purchase from Seller and Seller will sell to Buyer, subject to the provisions of this Agreement, the following amounts of Kaylo Heat Insulating Products:

\$ 750,000 during the period April 1, 1953
to December 31, 1953, and

\$1,000,000 during each calendar year
subsequent to 1953;

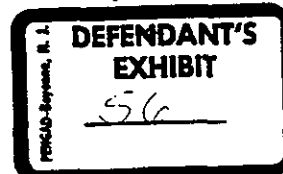
provided, however, that in the event that at any time or times the prices for Kaylo Heat Insulating Products shall be increased or decreased in accordance with the provisions of paragraph 4 hereof, the amounts hereinabove specified will be increased or decreased in the same proportion as such prices shall have been increased or decreased, prorated for the portion of the current period unexpired at the date of such price change. On or before the first day of each calendar quarter, Buyer will notify Seller in writing of the total amount of Kaylo Heat Insulating Products which it intends to purchase from Seller during such quarter.

2. As used in this Agreement the term "Kaylo Heat Insulating Products" means only those heat insulating products listed in Exhibit A, attached hereto and made a part hereof.

3. The prices for Kaylo Heat Insulating Products set forth in Exhibit A will remain in effect until October 1, 1953, and thereafter until increased or decreased in accordance with the provisions of paragraph 4 hereof.

4. Seller may increase or decrease the prices to Buyer for Kaylo Heat Insulating Products on October 1, 1953, and on the first day of any subsequent calendar quarter, by giving notice in writing to Buyer of such increase or decrease at least fifteen (15) days prior thereto. Buyer may, by giving notice in writing to Seller at any time within thirty (30) days after receipt of notice from Seller of a price increase terminate this Agreement six (6) months after the effective date of such price increase.

5. All orders for Kaylo Heat Insulating Products placed by Buyer and accepted by Seller will be at the prices in



effect at the time of shipment by Seller and will be subject to the terms set forth in Exhibit A and the following terms and conditions:

(a). Prices shall be F.O.B. plant of manufacture. In the event that Seller prepaes the freight on any shipment, Buyer will reimburse Seller the full amount thereof. Title and possession shall pass to Buyer on delivery of product to the carrier consigned to Buyer or Buyer's customer.

(b) In the event of a price increase, the Buyer may, within thirty (30) days after receipt of notice thereof, request price protection on specific outstanding contracts and outstanding contract proposals. Shipments with protected prices must be made within sixty (60) days of effective date of price increase.

(c) Orders and shipping instructions will be given by Buyer reasonably in advance of desired delivery dates and, subject to the other provisions herein stated, Seller will make shipments as nearly as possible in accordance with such shipping instructions as shipping facilities and Seller's scheduling and facilities of manufacture permit. Seller's failure to meet shipping instructions will not be deemed a breach of this Agreement.

(d) Seller warrants that all Kaylo Heat Insulating Products sold to Buyer pursuant to this Agreement will meet Seller's performance specifications in effect at the time of sale. Seller will furnish Buyer a copy of said performance specifications currently in effect and of each revision thereof.

(e) Buyer shall, within ninety (90) days after shipment of any products covered by this Agreement, give written notice to Seller of any claim for errors, shortages, imperfections, deficiencies or any failure of the products to conform with the terms of this Agreement. Buyer's failure to give such notice within such time or Buyer's failure to give Seller an opportunity to make an adequate investigation, either by on the spot inspection or by having the products returned to Seller, shall constitute a waiver by Buyer of all claims with respect thereto. Any advice or assistance furnished by Seller in respect of installation or use of the products are purely gratuitous and without consideration, and Seller shall have no liability by reason thereof. Seller shall not be liable for any breach of this Agreement in any amount in excess of the agreement price for the products with respect to which such breach occurs and Seller shall not be liable in any event for special or consequential damages; and Buyer

shall include this same limitation upon the amount of Seller's liabilities in contracts effecting all resales by Buyer to third persons and Buyer shall indemnify and save Seller harmless from any liabilities arising from Buyer's failure so to contract in making resales.

(f) All claims made by Buyer against Seller in accordance with subparagraph (e) hereof shall be subject to approval by Seller. In the event that Buyer disagrees with Seller's disposition of any such claim, Buyer may by giving notice in writing to Seller within thirty (30) days after receipt of notice of Seller's disposition of such claim, require the same to be submitted to arbitration in Lucas County, Ohio, in accordance with the Ohio Arbitration Act, by three (3) arbitrators appointed as follows: Seller and Buyer shall each appoint one (1) arbitrator and the two (2) arbitrators thus appointed shall appoint a third arbitrator. In the event that the arbitrators appointed by Seller and Buyer shall be unable within thirty (30) days to agree upon the appointment of the third arbitrator, the Court of Common Pleas of Lucas County, Ohio, may, upon application of either party hereto, appoint the third arbitrator. The decision in writing of a majority of the arbitrators will be final and binding upon both parties.

6. If, by reason of fire, earthquake, flood, explosion, accident, difference with or inability to secure workmen, lack of material, lack of facilities, Act of God or of any public enemy, voluntary or involuntary compliance with any valid or invalid order, regulation, request or recommendation of any government agency or authority, lack of transportation facilities or other cause beyond the control of Seller or Buyer, respectively, whether or not of the kind hereinbefore specified, Seller or Buyer shall be unable to perform, or is delayed in the performance of, any obligation under this Agreement, such nonperformance or delay shall be excused.

7. In the event that Seller shall be unable to fill all orders for Kaylo Heat Insulating Products placed both by Buyer and by other customers of Seller, Seller shall prorate shipments to Buyer and such other customers on an equitable basis.

8. Orders placed by Buyer for Kaylo insulating products not specifically listed and priced in Exhibit A will be subject to approval by Seller in each case and will be subject to such prices and shipping dates as may be set forth in such approval.

9. All sales and advertisements of Kaylo Heat Insulating Products shall be under Seller's trade name and trade mark "Kaylo". In using Seller's trade name and mark, Buyer will indicate that the products sold or advertised are manufactured by Seller and

will give notice that Seller's trademark is registered by displaying with the mark as used the letter "R" enclosed within a circle. Buyer's right to use Seller's trade name and mark shall be limited to the advertisement and sale of products manufactured by Seller and sold to Buyer pursuant to this Agreement and such right shall terminate upon the termination of this Agreement.

10. Unless sooner terminated in accordance with the provisions of paragraphs 4, 11, or 12 hereof, this Agreement shall remain in full force and effect until January 1, 1959. Except as otherwise provided in paragraph 13 hereof, the giving of any notice of termination shall not, prior to the effective date of such termination, relieve Buyer from its obligation to purchase, or relieve Seller from its obligation to sell, the amount of Kaylo Heat Insulating Products set forth in paragraph 1 hereof, and any termination shall be without prejudice to any other remedy or remedies which either party may have against the other for any breach of this Agreement.

11. Either party may at its option terminate this Agreement effective at the end of any calendar month by giving notice in writing to the other party at least one (1) year prior to the effective date of such termination.

12. In the event that Seller determines to discontinue the manufacture of Kaylo Heat Insulating Products, Seller may terminate this Agreement effective at the end of any calendar month by giving notice in writing to Buyer at least six (6) months prior to the effective date of such termination.

13. In the event that Buyer shall give notice to Seller of termination of this Agreement pursuant to the provisions of paragraph 4 hereof, or in the event that Seller shall give notice to Buyer of termination of this Agreement pursuant to the provisions of paragraph 12 hereof, Buyer, at its option, may elect to be relieved of its obligation to purchase, during the six (6) months immediately preceding the effective date of such termination, Kaylo Heat Insulating Products in the amounts prescribed in paragraph 1 hereof, by giving notice of such election within thirty (30) days after notice of such termination. In the event that Buyer elects, as herein provided, to be relieved of its obligation to purchase the amounts so prescribed, Seller shall be relieved of its obligation to sell the amounts so prescribed.

14. The right of each party to require strict performance of the other party's obligations hereunder shall not be affected in any way by any previous waiver, forbearance or course of dealing.

15. Any civil action against Seller arising out of this Agreement or by reason of any sale hereunder, or by reason of any federal or state statutory provision relating thereto,

shall be commenced within one (1) year from the date such cause of action arises; otherwise the same shall be barred, notwithstanding any statutory period of limitations to the contrary.

16. This Agreement is not assignable by Buyer except with the written consent of Seller.

17. The entire agreement of the parties is contained herein. There is no warranty, agreement, or understanding, express, statutory or implied, either in fact or in law, with reference to or a part of this Agreement, except such as is set forth herein. Except as otherwise provided herein, no change or alteration of this Agreement shall be effective unless the same is in writing and signed by both parties.

18. This Agreement shall be binding upon the parties, their successors and assigns, and shall be construed in accordance with the laws of the State of Ohio applicable to contracts made and to be performed in the State of Ohio.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed as of April 1, 1953, this 20th day of March, 1953.

Attest:

By F. M. A. T.

OWENS-ILLINOIS GLASS COMPANY

By [Signature]

Exec. Vice - Pres

Attest:

By [Signature]

OWENS-CORNING FIBERGLAS CORPORATION

By [Signature]

Vice - Pres

EXHIBIT "A" OF SALES AGREEMENT

OWENS-ILLINOIS GLASS COMPANY

KAYLO SECTIONAL PIPE INSULATION

Net Billing Prices - F.O.B. Berlin, N.J.

Terms Net 30 Days

<u>Nominal Pipe Sizes- Inches</u>	<u>Nominal Thickness of Insulation & Prices per Lineal Foot</u>				
	<u>1"</u>	<u>1-1/2"</u>	<u>2"</u>	<u>2-1/2"</u>	<u>3"</u>
1/2	\$.142	\$.297	\$.485	\$.646	\$.775
3/4	.155	.317	.517	.679	.873
1	.175	.336	.550	.711	.904
1-1/4	.194	.362	.581	.743	.937
1-1/2	.214	.388	.614	.775	1.00
2	.233	.413	.646	.808	1.06
2-1/2	.258	.452	.679	.873	1.13
3	.291	.491	.743	.969	1.23
3-1/2	.323	.530	.808	1.06	1.32
4	.388	.568	.873	1.16	1.42
4-1/2	.420	.607	.937	1.26	1.52
5	.452	.646	1.00	1.36	1.62
6	.517	.711	1.10	1.45	1.75
7	x	.775	1.19	1.55	1.88
8	x	.873	1.29	1.65	2.04
9	x	.969	1.42	1.81	2.20
10	x	1.06	1.55	1.97	x
11	x	1.13	1.65	x	x
12	x	1.19	x	x	x

Note:

- (1) Prices listed are for single layer only.
- (2) Double layer prices are the sum of the prices for the two single layer sizes used.
- (3) Prices include standard canvas jackets and 2-1/2 aluminum bands per 3 ft. section up to and including 2-1/2" thicknesses. No allowance is made for omission of canvas jackets or bands.
- (4) Extra charge for special canvas jackets.
- (5) Extra charge for any canvas jackets on covering over 2-1/2" thickness.

EXHIBIT "A" OF SALES AGREEMENT

OWENS-ILLINOIS GLASS COMPANY

KAYLO BEVELED LAG PIPE INSULATION

Net Billing Prices - F.O.B. Berlin, N.J.

Terms Net 30 Days

<u>Nominal Pipe Sizes- Inches</u>	<u>Nominal Thickness of Insulation & Prices per Lineal Foot</u>			
	<u>1-1/2"</u>	<u>2"</u>	<u>2-1/2"</u>	<u>3"</u>
10	\$1.02	\$1.48	\$1.88	\$2.25
11	1.08	1.57	1.97	2.41
12	1.14	1.66	2.10	2.53
14	1.29	1.85	2.35	2.84
15	1.39	1.94	2.47	3.00
16	1.45	2.04	2.59	3.14
17	1.54	2.13	2.72	3.30
18	1.60	2.22	2.84	3.45
19	1.70	2.35	2.97	3.58
20	1.76	2.47	3.09	3.70
21	1.85	2.56	3.20	3.86
22	1.91	2.66	3.33	4.01
23	1.97	2.72	3.45	4.17
24	2.04	2.78	3.55	4.32
26	2.19	3.00	3.82	4.63
27	2.25	3.11	3.95	4.75
28	2.32	3.17	4.10	4.91
30	2.47	3.39	4.29	5.18
32	2.66	3.64	4.57	5.61
33	2.72	3.73	4.69	5.67
34	2.81	3.86	4.82	5.86
36	2.97	4.04	5.06	6.14

Note:

- (1) Prices listed are for single layer only.
- (2) Double layer prices are the sum of the prices for the two single layer sizes used.
- (3) Extra charge for any canvas or bands.

EXHIBIT "A" OF SALES AGREEMENT

OWENS-ILLINOIS GLASS COMPANY

KAYLO HEAT INSULATING BLOCK

Net Billing Prices - F.O.B. Berlin, N.J.

<u>Terms Net 30 Days</u>	
<u>Thickness-</u> <u>Inches</u>	<u>Prices per</u> <u>Square Foot</u>
1	\$.173
1-1/4	.219
1-1/2	.260
1-3/4	.305
2	.346
2-1/4	.392
2-1/2	.433
2-3/4	.478
3	.519

EXHIBIT "A" OF SALES AGREEMENT

OWENS-ILLINOIS GLASS COMPANY

KAYLO HEAT INSULATION EXTRA CHARGES

Additions to Net Billing Prices

	<u>% Addition to Billing Price</u>
Standard Canvas for Sectional Covering Over 2-1/2" Thickness	4.5%
6 os. Canvas for All Sizes and Thicknesses	9.0
8 os. Canvas for All Sizes and Thicknesses	13.5
Laminated Products	7.5
LCL Orders	\$2.00 each
Special Shapes, Sizes and Thicknesses	Quotation
Weathercoating	Quotation

Memorandum of Agreement

Owens-Illinois Glass Company, hereinafter referred to as "Seller", and Owens-Corning Fiberglas Corporation, hereinafter referred to as "Buyer", have this day agreed as follows:

1. During the term of this Agreement, Buyer will purchase from Seller and Seller will sell to Buyer, in accordance with the terms and provisions of paragraphs 5 and 9 and Exhibit A of the Sales Agreement this day executed by the parties, a copy of which is attached hereto as Exhibit I and made a part hereof, and subject to the provisions of this Agreement, the following amounts of Kaylo Heat Insulating Products:

\$1,800,000 during the period April 1, 1953
to December 31, 1953, and

\$2,400,000 during each calendar year
subsequent to 1953;

provided, however, that in the event that at any time or times the prices for Kaylo Heat Insulating Products shall be increased or decreased in accordance with the provisions of paragraph 6 hereof, the amounts hereinabove specified will be increased or decreased in the same proportion as such prices shall have been increased or decreased, prorated for the portion of the current period unexpired at the date of such price change. On or before the first day of each calendar quarter, Buyer will notify Seller in writing of the total amount of Kaylo Heat Insulating Products which it intends to purchase from Seller during such quarter.

2. The amounts of Kaylo Heat Insulating Products specified in paragraph 1 hereof are in addition to the amounts specified in paragraph 1 of the Sales Agreement of which Exhibit I is a copy.

3. Seller reserves the right to sell Kaylo Heat Insulating Products to other purchasers; and the amount of Kaylo Heat Insulating Products sold by Seller to such other purchasers during any calendar year may, at option of Seller, be credited, in whole or in part, against Seller's obligation to sell during that period the amount specified in paragraph 1 hereof.

4. As used in this Agreement the term "Kaylo Heat Insulating Products" means only those heat insulating products listed in Exhibit A of Exhibit I hereto.

5. The prices for Kaylo Heat Insulating Products set forth in Exhibit A of Exhibit I will remain in effect until October 1, 1953, and thereafter until increased or decreased in accordance with the provisions of paragraph 6 hereof.

6. Seller may increase or decrease the prices to Buyer for Kaylo Heat Insulating Products on October 1, 1953, and on the first day of any subsequent calendar quarter, by giving notice in writing to Buyer of such increase or decrease at least fifteen (15) days prior thereto. Buyer may, by giving notice in writing to Seller at any time within thirty (30) days after receipt of notice from Seller of a price increase terminate this Agreement six (6) months after the effective date of such price increase.

7. If, by reason of fire, earthquakes, flood, explosion, accident, difference with or inability to secure workmen, lack of material, lack of facilities, Act of God or of any public enemy, voluntary or involuntary compliance with any valid or invalid order, regulation, request or recommendation of any government agency or authority, lack of transportation facilities or other cause beyond the control of Seller or Buyer, respectively, whether or not of the kind hereinbefore specified, Seller or Buyer shall be unable to perform, or is delayed in the performance of, any obligation under this Agreement, such nonperformance or delay shall be excused.

8. Buyer will offer its standard form of distributor-applicator contract to all of Seller's existing distributor-applicators. Where such a standard form of contract is accepted by any such distributor-applicator, Buyer will service all orders, unfilled at the time of such acceptance, placed with Seller by such distributor-applicator, and will, within thirty (30) days after receipt of notice from Seller of shipment on any such order, remit to Seller one hundred seven and one-half per cent (107-1/2%) of the purchase price set forth in Exhibit A of Exhibit I hereto, together with the amount of freight, if any, prepaid by Seller on said shipments.

9. Unless sooner terminated in accordance with the provisions of paragraphs 6, 10, 11 or 13 hereof, this Agreement shall remain in full force and effect until January 1, 1959. Except as otherwise provided in paragraph 12 hereof, the giving of any notice of termination shall not, prior to the effective date of such termination, relieve Buyer from its obligation to purchase, or relieve Seller from its obligation to sell, the amount of Kaylo Heat Insulating Products set forth in paragraph 1 hereof, and any termination shall be without prejudice to any other remedy or remedies which either party may have against the other for any breach of this Agreement.

10. Either party may at its option terminate this Agreement effective at the end of any calendar month by giving notice in writing to the other party at least one (1) year prior to the effective date of such termination.

11. In the event that Seller determines to discontinue the manufacture of Kaylo Heat Insulating Products, Seller may terminate this Agreement effective at the end of any calendar month by giving notice in writing to Buyer at least six (6) months prior to the effective date of such termination.

12. In the event that Buyer shall give notice to Seller of termination of this Agreement pursuant to the provisions of paragraph 6 hereof, or in the event that Seller shall give notice to Buyer of termination of this Agreement pursuant to the provisions of paragraph 11 hereof, Buyer, at its option, may elect to be relieved of its obligation to purchase, during the six (6) months immediately preceding the effective date of such termination, Kaylo Heat Insulating Products in the amounts prescribed in paragraph 1 hereof, by giving notice of such election within thirty (30) days after notice of such termination. In the event that Buyer elects, as herein provided, to be relieved of its obligation to purchase the amounts so prescribed, Seller shall be relieved of its obligation to sell the amounts so prescribed.

13. In the event that the Sales Agreement, copy of which is attached hereto as Exhibit I, is terminated by either party thereto, this Agreement shall automatically be terminated effective the same date.

14. The right of each party to require strict performance of the other party's obligations hereunder shall not be affected in any way by any previous waiver, forbearance or course of dealing.

15. Any civil action against Seller arising out of this Agreement or by reason of any sale hereunder, or by reason of any federal or state statutory provision relating thereto, shall be commenced within one (1) year from the date such cause of action arises; otherwise the same shall be barred, notwithstanding any statutory period of limitations to the contrary.

16. This contract is not assignable by Buyer except with the written consent of Seller.

17. The entire agreement of the parties is contained herein. There is no warranty, agreement, or understanding, express, statutory or implied, either in fact or in law, with reference to or a part of this Agreement, except such as is set forth herein. Except as otherwise provided herein, no change or alteration of this Agreement shall be effective unless the same is in writing and signed by both parties.

18. This Agreement shall be binding upon the parties, their successors and assigns, and shall be construed in accordance with the laws of the State of Ohio applicable to contracts made and to be performed in the State of Ohio.

IN WITNESS WHEREOF, the parties have caused this Memorandum of Agreement to be executed as of April 1, 1953, this 20th day of March, 1953.

OWENS-ILLINOIS GLASS COMPANY

By *Henry J. Laughlin*
Exec. Vice-Pres

Attest:

By *W. H. [illegible]*
[illegible]

OWENS-CORNING FIBERGLAS CORPORATION

By *John Marshall Biley*
Vice-Pres

Attest:

By *Carl E. Stalling*
[illegible]