

FILE NAME: US Gypsum (USG)

DATE: Undated

DOC#: USG014

DOCUMENT DESCRIPTION: Undated Legal - exhibits 1-9 on US Gypsum history

<u>NAME OF COMPANY</u>	<u>ORGANIZED UNDER LAWS OF</u>
Sequoyah Carpet Corporation	Oklahoma
Stocking Specialists, Inc.	Delaware
United States Gypsum Export Company	Delaware
United States Gypsum Urban Development Corporation	Delaware
USG Acoustical Products Company	Delaware
USG Corporation	Delaware
USG de Puerto Rico, Inc.	Delaware
USG Foreign Investments, Ltd.	Delaware
USG Industries, Inc.	Delaware
USG International, Ltd. (DISC)	Delaware
USG Properties, Inc.	Delaware
Westbank Planting Company	Louisiana
Windsor Shipping Limited	Bermuda
Wiss, Janney Elstner Associates, Inc.	Illinois
Yeso Panamericano, S.A. de C.V.	Mexico

*UNITED STATES GYPSUM COMPANY has no subsidiaries or incorporated divisions.

United States Gypsum Company was established in 1901, and therefore it would be unreasonably burdensome for this defendant to determine and list any and all past and present divisions, subsidiaries, affiliated companies or stock transaction purchases of this defendant. This defendant lists below affiliated companies of United States Gypsum Company:

LISTING OF AFFILIATED COMPANIES
OF UNITED STATES GYPSUM COMPANY *

<u>NAME OF COMPANY</u>	<u>ORGANIZED UNDER LAWS OF</u>
101 South Wacker Co.	Delaware
A. Lynn Thomas Company, Incorporated	Virginia
A. P. Green Refractories Co.	Delaware
A. P. Green Refractories Limited	United Kingdom
Bigelow-Liptak Corporation	Michigan
Bieglow-Liptak Export Corporation (name saver)	Texas
Bigelow-Liptak of Canada, Limited	Canada
Brisco Mining, Ltd.	Canada
Canadian Gypsum Company, Limited	Canada
CIKSA, S.A. de C.V.	Mexico
C.N.G. Distribution Limited	Canada
Compania Mexicana de Este, S. A.	Mexico
Construcciones, Recubrimientos Y Acabados	Mexico
C-S-W Drywall Supply Company	Delaware
DAP, Inc.	Ohio
Darswan, Inc.	Delaware
Fundy Gypsum Company, Limited	Canada
Gypsum Communications Company	Illinois
Gypsum Energy Management Company	Delaware
Gypsum Transportation Limited	United Kingdom
L & W Supply Corporation	Delaware
Liptak Bradley Limited	United Kingdom
Little Narrows Gypsum Company Limited	Canada
Marbrite Manufacturing Corp.	New York
Marstrat, Inc.	Delaware
Masonite Corporation	Delaware
Metropolitan Refractories Corporation (name saver)	New York
North Baldwin Park Corporation	Oklahoma
Panama Gypsum Company, Inc.	Panama
Panama Wallboard, Inc.	Panama

<u>Product Name</u>	<u>Product Type/Use</u>	(Dates Approximately)		<u>Manufacturing Locations</u>
		<u>First Produced</u>	<u>Last Produced</u>	
Sabinite	Acoustical Plaster	1930	*1964	Fort Dodge, IA
		1930	1945	Midland, CA
		1930	1945	East Chicago, IN
		1930	*1964	New Brighton, NY
		1930	1945	Gypsum, OH
Audicote	Acoustical Plaster	1955	1972	New Brighton, NY Fort Dodge, IA
Hi-Lite	Acoustical Plaster	1955	1972	New Brighton, NY Fort Dodge, IA
Red Top Trowel Finish	Finish Plaster	1930	1935	Gypsum, OH
		1930	1935	East Chicago, IN
				Fort Dodge, IA
				New Brighton, NY
		1950	1951	Fort Dodge, IA
Oriental Interior Finish Plaster	Finish Plaster	1942	1972	Oakfield, NY
		1942	1972	Fort Dodge, IA
		1942	1972	New Brighton, NY
		1942	1972	Sweetwater, TX
		1942	1944	Boston, MA
				Gypsum, OH
				Philadelphia, PA
		1949	1950	Jacksonville, FL
		1949	1972	Norfolk, VA Philadelphia, PA
Red Top Cover Coat	Finish Plaster	1942	1954	Southard, OK
Red Top Patching Plaster	Finish Plaster	1929	1947	Gypsum, OH
				New Brighton, NY
		1942	1946	Nephi, UT
		1942	1951	Milwaukee, WI
		1944	1947	South Gate, CA
Red Top Wood Fiber Plaster - Regular	Basecoat	1945	1972	East Chicago, IN
				Heath, MT
		1945	1952	Nephi, UT
		1945	1959	Midland, CA
		1945	1963	Fort Dodge, IA
		1945	1963	Detroit, MI
		1945	1965	Sweetwater, TX
		1945	1966	Loveland, CO
		1945	1967	Southard, OK
		1945	1960	Plaster City, CA
		1948	1952	Gerlach, NV
		1948	1972	Sigurd, UT
		1952	1960	Empire, NV

<u>Product Name</u>	<u>Product Type/Use</u>	(Dates Approximately)		<u>Manufacturing Locations</u>
		<u>First Produced</u>	<u>Last Produced</u>	
Red Top Wood Fiber Plaster - Machine Application	Basecoat	1959 1972	1961 1972	Plaster City, CA East Chicago, IN
Cement Plaster Regular. Name changed to Gypsum Plaster 7/67; to Red Top Gypsum Plaster 11/68	Basecoat	1943	1947	Loveland, CO
Red Top Cement Plaster for Machine Application. Name changed to Red Top Gypsum Plaster for Machine Application 7/67	Basecoat	1962 1962 1964	1966 1966 1966	Gypsum, OH Detroit, MI Oakfield, NY
Red Top Structo-Lite Gypsum Plaster for Machine Application	Basecoat	1955	1962	Boston, MA Detroit, MI East Chicago, IN Fort Dodge, IA Gypsum, OH Jacksonville, FL Loveland, CO New Brighton, NY Norfolk, VA Oakfield, NY Philadelphia, PA Plasterco, VA Southard, OK Sweetwater, TX
		1955	1959	Milwaukee, WI
		1957	1962	Shoals, IN
		1958	1962	Plaster City, CA
		1963	1972	Fort Dodge, IA
		1971	1972	Detroit, MI
Oriental Exterior Finish Stucco	Exterior Finish Stucco	1930 1930 1930 1930	1973 1944 1972 1972	Fort Dodge, IA Gypsum, OH New Brighton, NY Oakfield, NY
		1932	1944	Sweetwater, TX Boston, MA
		1932	1946	Philadelphia, PA Milwaukee, WI
		1949	1972	Jacksonville, FL
		1949	1972	Philadelphia, PA Norfolk, VA

<u>Product Name</u>	<u>Product Type/Use</u>	(Dates Approximately)		<u>Manufacturing Locations</u>
		<u>First Produced</u>	<u>Last Produced</u>	
Pyrobar Mortar Mix	Aggregated plaster	1969 1969	1970 1972	East Chicago, IN New Brighton, NY
Sheetrock Radiant Heat Filler - Machine Application	Specialty plaster	1971	1972	Empire, NV
Bondcrete	Basecoat	1940	1943	Midland, CA
SPRAYDON STANDARD A ^o	Fireproofing	1966	1971	S. Plainfield, NJ Torrance, CA
SPRAYDON STANDARD G ^o	Fireproofing	1968	1970	S. Plainfield, NJ Torrance, CA
SPRAYDON POWERCOTE ^o	Thermal Insulation	1969	1971	Corsicana, TX

^o SprayDon - U. S. Gypsum manufactured this product pursuant to the specification of Sprayon Research Corporation.

FIRECODE V	Fireproofing Plaster	1964	1968	East Chicago, IN New Brighton, NY Empire, NV
FIRECODE D	Fireproofing Plaster	1959	1964	New Brighton, NY East Chicago, IN Empire, NV
***ACOUSTONE 120	Ceiling Tile	1967	1975	Gypsum, OH Walworth, WI
ACOUSTONE 180	Ceiling Tile	1966	1976	Walworth, WI Gypsum, OH
USG	Texture	1964	1976	Gypsum, OH Sweetwater, TX Dallas, TX Chamblee, GA Midway, IL South Gate, CA
Texolite	Texture	1961	1967	Gypsum, OH Dallas, TX New Brighton, NY South Gate, CA
Pac-Tex	Texture	1943	1963	South Gate, CA Dallas, TX Sweetwater, TX

<u>Product Name</u>	<u>Product Type/Use</u>	<u>(Dates Approximately)</u>		<u>Manufacturing Locations</u>
		<u>First Produced</u>	<u>Last Produced</u>	
Imperial QT	Texture	1964	1976	South Gate, CA Dallas, TX Gypsum, OH Midway, IL New Brighton, NY Chamblee, GA
"SHEETROCK" Texture	Texture	1964	1976	Gypsum, OH Dallas, TX Midway, IL South Gate, CA
Textone	Texture	1944	1975	Gypsum, OH Sweetwater, TX South Gate, CA Dallas, TX New Brighton, NY
USG Textone	Texture Paint	1928	1974	South Gate, CA Gypsum, OH Chamblee, GA New Brighton, NY Sweetwater, TX
USG	Texture Paint	1954 1967	1964 1976	Chamblee, GA Sweetwater, TX Gypsum, OH
A-B TEX	Texture Paint	1935 1959 only 1973 only	1949	Gypsum, OH New Brighton, NY Sweetwater, TX Midway, IL Chamblee, GA South Gate, CA
<u>Other Products</u> (By generic group)				
Paste Spackling Putty		1952	1975	New Brighton, NY Gypsum, OH Chamblee, GA Sweetwater, TX
Pipecoverings		1936	1938	Jersey City, NJ

<u>Product Name</u>	<u>Product Type/Use</u>	(Dates Approximately)		<u>Manufacturing Locations</u>
		<u>First Produced</u>	<u>Last Produced</u>	
Joint Compounds		1920s?	1976	Gypsum, OH Midway, IL Chamblee, GA Dallas, TX East Chicago, IN Jacksonville, FL South Gate, CA New Brighton, NY Sweetwater, TX
Rigid Block Insulation		1943 1970	1950 1971	East Chicago, IN Greenville, MS
Siding Shingles		1937	1975	East Chicago, IN
Roofing		1937 1967 Possible other dates.	1946 1975	Jersey City, NJ St. Paul, MN South Gate, CA
Thermalux	Electric Heating	1961	1965	Shoals, IN (Assembled)
Asbestos Cement	Insulation purposes where sheet and block insulation would be impractical.	1936	1939	Jersey City, NJ

NOTE: Not all products were made at all plants at all times listed.

* May have been produced until this date, but sales diminished substantially by the mid-1950's.

** Some of these products (Red Top Trowel Finish; Oriental Interior Finish Plaster; Red Top Cover Coat Finish Plaster; Red Top Patching Plaster; Red Top Wood Fiber Plaster Regular Basecoat; Red Top Wood Fiber Plaster Machine Application Basecoat; Cement Plaster - Regular, Name changed to Gypsum Plaster 7/67, to Red Top Gypsum Plaster Basecoat 11/68; Red Top Cement Plaster for Machine Application - Name changed to Red Top Gypsum Basecoat for Machine Application; Red Top Structo-Lite Gypsum Plaster for Machine Application Basecoat; Oriental Exterior Finish Stucco; Pyrobar Mortar Mix; Sheetrock Radiant Heat Filler - Machine Application) did not have asbestos as part of their formulation at all manufacturing locations at all times.

*** Some of these products did not have asbestos as part of their formulation.

Most of the products identified in this Exhibit have a shelf life of approximately six months, with some variation due to humidity and storage conditions. It is the policy of the defendant to provide this information to all customers. Therefore, date of last production approximates date of last sale, though U. S. Gypsum is not certain whether shelf life guidelines were adhered to by its customers. Reasonable investigation continuing.

PERCENTAGE OF ASBESTOS (VOLUME)

<u>ACOUSTICAL PLASTERS</u> <u>PRODUCTS</u>	<u>DATE</u>	<u>PERCENT ASBESTOS</u>
SABINITE "TF"	No Change	4.90%
SABINITE "B"	04/18/33	2.00%
	11/03/33	4.00%
SABINITE 38 (HYDRAULIC)	11/10/30	2.40%
	04/18/32	3.00%
	01/13/37	2.00%
	07/12/39	3.00%
SABINITE ACOUSTICAL PLASTER	05/23/30	.98%
	01/01/31	2.50%
	06/29/32	2.00%
	05/03/40	4.00%
SABINITE "M" and SABINITE SPECIAL WHITE	10/18/40	4.00%
	01/23/48	6.30%
SABINITE "F"	02/27/44	4.00%
	07/28/50	3.00%
	07/28/50	4.00%
	09/18/52	3.00%
SABINITE "A" or SABINITE HYDROCAL	04/04/31	4.00%
	04/18/33	2.00%
	11/03/33	4.00%
HI-LITE ACOUSTICAL PLASTER	06/09/53	6.20%
	03/31/55	6.30%
AUDICOTE SPECIAL WHITE	09/15/55	8.25%
	08/24/56	7.62%
	10/31/56	7.60%
	12/14/56	8.00%
	03/27/57	7.70%
	12/02/57	6.95%
	12/02/57	22.50%
	03/10/58	7.10%
	03/27/58	6.95%
	04/04/58	22.50%
	05/16/58	16.89%
	05/29/58	17.09%
	05/29/58	16.89%
	05/29/59	16.88%

ACOUSTICAL PLASTERS
PRODUCTS

	<u>DATE</u>	<u>PERCENT ASBESTOS</u>
	05/29/59	16.93%
	12/06/60	8.33%
	07/14/61	8.46%
	07/06/62	7.63%
	08/07/62	7.65%
	02/05/64	7.64%
	08/11/64	7.63%
AUDICOTE SATIN WHITE	09/15/55	8.43%
	08/24/56	7.78%
	10/31/56	7.76%
	03/27/57	7.47%
	12/02/57	26.24%
	03/10/58	8.06%
	03/27/58	7.47%
	04/04/58	26.24%
	05/16/58	19.66%
	05/29/58	19.49%
	05/29/58	19.66%
	05/29/59	19.22%
	05/29/59	19.70%
	12/06/60	8.60%
	07/14/61	8.73%
	07/06/62	7.85%
	08/07/62	7.87%
	02/05/64	7.86%
	12/22/64	7.85%
RED TOP ACOUSTICAL PLASTER*	04/25/51	9.70%
*SPRAYDON STANDARD A	No Change	29.70%
*SPRAYDON STANDARD G	No Change	7.60%
*SPRAYDON POWERCOTE	No Change	30.00%

* SprayDon - U. S. Gypsum manufactured this product pursuant to the specifications of Sprayon Research Corporation.

<u>TEXTURE PRODUCTS</u>	<u>DATE</u>	<u>PERCENT ASBESTOS</u>
PAC-TEX	1943	4.5
	1953	4.5 - 6.0
	1954	3.5

A-B TEX	1935	4.0
	1943	4.5
	1944	4.0
USG TEXTONE TEXTURE PAINT	1928	3.3 - 4.5
	1930	2.8 - 4.5
	1934	3.3 - 4.5
	1938	2.67 - 5.0
	1943	2.67 - 6.0
	1947	2.67 - 8.0
	1952	2.5 - 3.5
	1955	1.2 - 3.5
	1956	2.3 - 3.5
	1958	1.2 - 6.0
	1960	1.2 - 10.0
	1970	.5 - 10.0
	1971	.5 - 3.5
SPECIAL TEXTURE PAINT	No Change	3.0 - 4.0
SPRAY TEXTURE PAINT	No Change	1.5 - 2.5
IMPROVED SPRAY TEXTURE	No Change	1.5 - 2.5
MULTI-PURPOSE TEXTURE	No Change	6.0 - 10.0
SANDED COLORED TEXTURE PAINT	No Change	2.0 - 4.0
USG MULTI-PURPOSE TEXTURE PAINT	1954	1.0 - 1.4
	1964	6.0 - 10.0
USG TEXTURE PAINT	No Change	2.5
SPRAY TEXTURE PAINT	1966	Unknown
	1968	5.0
	1969	2.0
USG MULTI-PURPOSE SPECIAL WHITE	No Change	5.0
USG MULTI-PURPOSE	No Change	6.0 - 10.0
USG MULTI-PURPOSE	No Change	4.0
SPECIAL TEXTURE PAINT	1956	Unknown
USG MULTI-PURPOSE SPRAY TEXTURE	No Change	4.0

USG MULTI-PURPOSE SPRAY TEXTURE	1972 1973	Unknown 4.0
SPRAY TEXTURE	No Change	1.5 - 2.5
AB TEX TEXTURE PAINT	No Change	.5
AB TEX TEXTURE PAINT	No Change	1.2 - 1.6
USG TEXTURE	No Change	1.6 - 3.5
MULTI-PURPOSE	1971	Unknown
SPRAY TEXTURE PAINT WHITE	1969 1973	7.3 0.0
SPRAY TEXTURE PAINT	1958 1971	1.5 - 3.0 4.5 - 6.0
SPRAY TEXTURE PAINT	No Change	1.5 - 3.0
SIMULATED ACOUSTICAL SPRAY	No Change	8.0
SIMULATED ACOUSTICAL SPRAY	No Change	8.0
SPRAY TEXTURE	No Change	1.5 - 3.0
SPRAY TEXTURE	No Change	1.5 - 4.0
SIMULATED ACOUSTICAL SPRAY	No Change	8.0
SIMULATED ACOUSTICAL SPRAY	1961 1962	Unknown 8.0
AGGREGATED SPRAY TEXTURE	No Change	1.0
AGGREGATED SPRAY TEXTURE	1962 1963	1.0 .5 - 1.5
SIMULATED ACOUSTICAL SPRAY	No Change	2.0
"QT" SIMULATED ACOUSTICAL SPRAY	1964 1969 1971	2.0 5.0 4.4
IMPERIAL QT SPRAY	No Change	1.5
AGGREGATED SPRAY	No Change	2.8

IMPERIAL QT REGULAR VERMICULITE	No Change	2.0
SPRAY TEXTURE	No Change	5.0
SMOOTH HARD FINISH	No Change	1.0
IMPERIAL QT TEXTURE	No Change	2.0
USG SUPER HARD SPRAY	No Change	1.2
USG SPRAY TEXTURE	No Change	5.0
SPRAY TEXTURE FINISH	No Change	.1
USG TEXTURE XII	No Change	3.0
USG SPRAY TEXTURE	No Change	5.0
USG TEXTURE XII SUPER VINYL	1971 1972	3.0 Unknown
USG SPRAY TEXTURE FINISH	1971 1974	4.0 5.0
SHEETROCK SMOOTHCOAT	No Change	1.0
USG EXTERIOR TEXTURE WALLBOARD FINISH	No Change	4.0
EXTRA HARD FINE IMPERIAL QT	No Change	1.0 - 3.0
SIMULATED ACOUSTICAL SPRAY TEXTURE	No Change	8.0
SIMULATED ACOUSTICAL SPRAY TEXTURE	No Change	8.0
IMPERIAL QT TEXTURE	No Change	4.0
SIMULATED ACOUSTICAL SPRAY	No Change	6.0
SIMULATED ACOUSTICAL SPRAY	No Change	6.5
SIMULATED ACOUSTICAL SPRAY	No Change	10.0

SIMULATED ACOUSTICAL SPRAY	No Change	8.0
SIMULATED ACOUSTICAL SPRAY	No Change	2.5 - 4.5
SIMULATED ACOUSTICAL SPRAY	No Change	2.5 - 3.5
SIMULATED ACOUSTICAL SPRAY	No Change	2.0
IMPERIAL QT	No Change	2.0
IMPERIAL QT	No Change	8.0
IMPERIAL QT	No Change	5.0
IMPERIAL QT	No Change	4.0
MULTI-PURPOSE TEXTURE	No Change	2.6
READY-MIXED SIMULATED ACOUSTICAL SPRAY	1966	Unknown
IMPERIAL QT	1966	4.0
IMPERIAL QT	1966	.94 - 1.0
IMPERIAL QT	1966	2.0 - 3.0
IMPERIAL QT	1966	3.0
IMPERIAL QT Polystrene	1966	6.0
SHEETROCK RADIANT HEAT SIMULATED ACOUSTICAL SPRAY	1966	6.0
SHEETROCK SIMULATED ACOUSTICAL SPRAY	1966	2.0
SHEETROCK SIMULATED ACOUSTICAL SPRAY	1966	3.5
AGGREGATED SPRAY TEXTURE	1966	5.0
IMPERIAL QT REGULAR	1967	Unknown
IMPERIAL QT REGULAR NC-4	1967	8.0
	1968	6.0

IMPERIAL QT	No Change	2.0
USG SPRAY TEXTURE FINISH	1965	.5
USG SPRAY TEXTURE FINISH	1965	.5
XH WHITE	1968	.5 - 1.5
AGGREGATED SPRAY TEXTURE	No Change	1.0
IMPERIAL QT	No Change	2.0
IMPERIAL QT	No Change	4.0
IMPERIAL QT COARSE VERMICULITE	No Change	2.0
IMPERIAL QT COARSE VERMICULITE	1970	5.1
	1971	6.1
USG SPRAY TEXTURE R	No Change	1.5
USG CONCRETE CEILING TEXTURE	No Change	6.0
TEXTONE TEXTURE FINISH	1944	2.5 - 4.5
	1967	3.5 - 5.5
	1972	2.5 - 4.5

Miscellaneous Specialty Plasters - Generally less than 1%

Fireproofing Plasters

Firecode V	Approximately 12%
Firecode V Type D	Approximately 12%

Ceiling Tile

Acoustone 120*	Approximately 3%
Acoustone 180	Approximately 3%

Texture Products - Approximately 3 - 5 %. Investigation continues as to individual texture products.

Paste Spackling Putty - Approximately 3%

Pipecoverings - Approximately 30 - 91%

*Not all formulations contained asbestos.

Joint Compounds - Approximately 3 - 5%

Rigid Block Insulation - Approximately 10 - 21%

Mortar - Less than 1%

Siding Shingles - Approximately 12 - 15%

Roofing Shingles - Approximately 0.6 - 1%

Variation in asbestos content is usually reflective of formula changes relative to working properties.

ASBESTOS CONTAINING PRODUCTS

Acoustical Plasters - grayish-white;

Miscellaneous Specialty Plasters - white to off-white
plus some pastels for two products;

Fireproofing - grayish-white;

Fireproofing Plasters - white to off-white;

Ceiling Tile - white to off-white

Texture Products - white to off-white;

Paste Spackling Putty, Pipecoverings, Joint Compounds,
Rigid Block Insulation, Mortar - white to off-white;

Siding - white, gray, ivory, green, brown;

Roofing - red, green, blue, brown, black and gray

U. S. Gypsum does not maintain examples of actual packaging in the normal course of business. All packaging contained the product name, this defendant's name, directions and instructions for use. To this defendant's best knowledge, information and belief, the product packaging for its asbestos-containing products was as follows:

Acoustical Plaster	Kraft Paper Bags
Miscellaneous Plasters	Kraft Paper Bags
Stucco	Kraft Paper Bags
Fireproofing Plaster	Kraft Paper Bags
Joint Compound	Kraft Paper Bags, metal and plastic buckets and cardboard cartons
Spray Textures	Kraft Paper Bags, metal and plastic buckets and cardboard cartons
Block Insulation	Cardboard Cartons
Pipecovering	Cardboard Cartons
Spackling Paste	Metal and plastic cans buckets and pails
Ceiling Tile	Cardboard Cartons
Asbestos Cement	Burlap bags, cardboard cartons

Available packaging bulletins dealing with products which plaintiff can establish were relevant to this lawsuit will be made available to the plaintiff for inspection at a mutually convenient time at 101 South Wacker Drive, Chicago, IL 60606.

Asbestos-Containing Products -
Reasons for Discontinuation:

- I. Sabinite was replaced by Audicote and Hi-Lite in the marketplace. Audicote and Hi-Lite were discontinued because the low profitability of these products did not justify the expense of research efforts to reformulate without asbestos.
- II. Cost of Compliance with proposed lower OSHA standards within the plant.
- III. At the direction of Sprayon Research Corporation.
- IV. The low profitability of these products did not justify the expense of research efforts to reformulate without asbestos.
- V. Low Profitability.

<u>Product Categories</u>	<u>Reason for Discontinuation</u>	<u>Last Date of Manufacture</u>
* Acoustical Plasters	I	1974
Plasters	II	1972
Fireproofing Plasters	V	1970
** Fireproofing	III	1972
** Thermal Insulation	III	1971
Ceiling Tile	II	1976
Textures	II	1976
Roofing	II	1976
Joint Compounds	II	1976
Pipe Covering	V	1938
Asbestos Cement	V	1939
Rigid Block Insulation	V	1950
Block Insulation	IV	1971
Cement Siding	II & IV	1975
Paste Spackling Putty	II	1975

* Includes production by subsidiary.

** U. S. Gypsum Company manufactured this product pursuant to the specifications of Sprayon Research Corporation.

The following represents this defendant's best current information:

<u>ORGANIZATION</u>	<u>DATES OF MEMBERSHIP</u>	<u>HEALTH HAZARDS OF ASBESTOS DISCUSSED AT MEETINGS ATTENDED BY UNITED STATES GYPSUM COMPANY PERSONNEL</u>	<u>DOCUMENTS AVAILABLE TO UNITED STATES GYPSUM COMPANY</u>
Gypsum Association	1930-present	Asbestos discussed at all of the following: <u>Membership meetings:</u> 10/27/71 - 10/28/71 - E. W. Duffy, W. W. Holloway, A. J. Watt 4/5/72 - J. H. Crumbaugh, A. R. Rump, C. G. Gramor, A. J. Watt, M. L. Hepsher, W. W. Holloway 4/4/73 - J. S. Bush, W. W. Holloway, A. J. Watt, C. G. Gramor, J. D. May, J. J. McLaughlin 10/10/73 - 10/12/73 - W. W. Holloway, A. J. Watt <u>Safety Committee Meetings:</u> 9/20/66 - P. D. Fix, G. R. Krug 9/17/67 - C. P. Kipp 3/19/68 - 3/20/68 - G. R. Krug 10/25/71 - W. E. Halley, J. D. Cornell, J. M. Rochers 9/19/73 - J. D. Cornell 3/7/74 - J. D. Cornell, M. R. Helton 8/14/74 - J. D. Cornell <u>Manufacturing & Mining Committee:</u> 4/3/73 - W. W. Holloway, H. D. Gobrecht	Minutes of meetings, but these documents are not in this defendant's files - produced to this defendant in litigation by Gypsum Association. This defendant does not know if such individuals actually attended meetings listed in documents produced to this defendant by Gypsum Association in other litigation. Also, some test results are in this defendant's files.

HEALTH HAZARDS OF ASBESTOS
DISCUSSED AT MEETINGS
ATTENDED BY UNITED STATES
GYPSUM COMPANY PERSONNEL

DOCUMENTS AVAILABLE TO
UNITED STATES GYPSUM
COMPANY

ORGANIZATION

DATES OF
MEMBERSHIP

Gypsum
Association
(cont.)

Manufacturing & Mining Committee:

4/9/74 - W. W. Holloway

10/8/74 - W. W. Holloway,
H. D. Gobrecht

8/10/76 - J. D. Cornell,
K. E. Mohler, W. Lewis

Technical Committee:

2/14/73 - 12/16/73 -
J. H. Crumbaugh

8/1/73 - 8/3/73 -
J. H. Crumbaugh, A. L.
Hampton, R. L. Selbe

11/73 and 1/74 - unknown

2/13/74 - 2/15/74 -
J. H. Crumbaugh

8/7/74 - 8/9/74 -
J. H. Crumbaugh,
R. L. Selbe

Board of Directors:

4/5/73, 10/12/73 -
A. J. Watt

Industrial
Health
Foundation
(But not
Industrial
Hygiene
Foundation)

1974-1981
(budget cut-
backs forced
United States
Gypsum
Company
to drop
membership)

No business meetings

Some "discussionals"

Asbestos was discussed at
the following meetings:

Introduction to Industrial Hygiene
Asbestos Sampling
Chemicals for Industrial Hygiene
C. Roe 1978-1979

Toxicology Chemicals and Engineering
S. H. Berning - 1/10/79 - 1/21/79

Industrial Hygiene Digest
Monthly Abstracts -
1/74 - 12/81 (JDC's)

Annual Business Reports
(JDC's)

<u>ORGANIZATION</u>	<u>DATES OF MEMBERSHIP</u>	HEALTH HAZARDS OF ASBESTOS DISCUSSED AT MEETINGS ATTENDED BY UNITED STATES GYPSUM COMPANY PERSONNEL	<u>DOCUMENTS AVAILABLE TO UNITED STATES GYPSUM COMPANY</u>
		Industrial Hygiene Techniques Update, Advanced Industrial Hygiene S. H. Berning - 11/12/79 - 11/14/79	
		Seminar Regarding Industrial Health J. D. Cornell - 6/8/75 - 6/9/75	
		Other personnel involved: J. D. Cornell, S. H. Berning, K. S. Freeman, C. Roe	
Lime Association	exact date unknown	unknown	none
*National Insulation Manufacturers Association (Founded in 1958) (Now TIMA) Thermal Insulation Manufacturers Association	1973-1974 1974-present	unknown none	Minutes produced in other litigation (Wm. Simpson deposition) (1958-?) Some mass correspondence letters regarding committees J. D. Cornell was on - health and safety, public information, medical and scientific dated 1978 to the present.
National Insulation Contractors Association (Associate Member)	unknown (perhaps 1972-present?)	none	NICA by Laws dated 1975; NICA's 1981 Annual Report.
National Safety Council	1914-present	none	Transactions from 1912-1978 records of all presentations and papers produced at Phillip E. Schmidt, deposition and document production April 17, 1984, in <u>Neil Woods</u>
National Mineral Wool Association	1943?-1957 mid-1960's mid-1970's	none	none

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*Contracting Plaster and Lathers International (Associate Member)	1960-1969	none	Some documents in M. V. Cook's and J. Edwards' files
*International Association Wall and Ceiling Contractors (Associate Member)	1970-1976	none	Some documents in M. V. Cook's and J. Edwards' files
*Gypsum Drywall Contractors International (Associate Member)	1960-1976 unknown	none	Some documents in M. V. Cook's and J. Edwards' files
*Association of Wall and Ceiling Contractors Industries International - Gypsum Drywall Contractors International (Associate Member)	1976-1979	none	Some documents in M. V. Cook's and J. Edwards' files.
*Association of Wall and Ceiling Contractors Industries International	1980-present	none	
American Society of Safety Engineers	exact dates unknown	unknown	none
American Industrial Hygienists Association	exact dates unknown	unknown	none

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Employing Plasterers Association (Associate Member)	present	unknown	none
Metal Lath Association	1950's-1964	unknown	none
Pulp and Paper Institute	1950's-1964	unknown	none
Hardboard Association	1950's-1964	unknown	none
Health and Safety Council of Asbestos Cement Products Association	1967?-1971?	G. R. Krug - 11/19/68 C. P. Kipp (deceased) or L. A. Tobey (deceased) 2/17/70; 2/18/70; 3/19/70; 5/19/70; 11/19/70	November 21, 1968 memo from Krug to Kipp re: meeting and various minutes from other meetings.
Asbestos Information Association of North America Unknown if a member.	not a member	none	none
National Bureau of Standards	not a member	1978 - J. D. Cornell, K. S. Freeman (retired) Rockville, MD, jointly sponsored by NBS and NIOSH re: Asbestos and Health	none
American Standards Association (never a member; served on committees) became ANSI - 1969 similar to ASTM (sustaining member)	unknown; involvement at least 15 years ago	unknown	

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Asbestos Textile Institute	never a member	none	
SOEH/IOEH	never a member	"Occupational Exposures to Fibrous and Particulate Dust and Their Extensions into the Environment" 12/5/77 - 12/7/77 J. D. Cornell (others?)	none

*Membership information pertaining to these organizations is not available in this defendant's files.

United States Gypsum Company does not and has not belonged to:

Quebec Asbestos Mining Association - QAMA

Asbestos Research Council of England

Public Health Bulletin Service

Plastering and Lath Association

Chicago Plastering Institute

Perlite Institute

United States Gypsum Company has been aware since the mid-1930's that inhalation of large quantities of asbestos fibers for long periods of time could produce a pneumoconiotic lung condition known as asbestosis. United States Gypsum Company is presently unaware of specifically how it acquired this knowledge.

United States Gypsum Company is not aware of precisely when it first knew of the relationship between the inhalation of asbestos fibers and the development of bronchogenic carcinoma, except that it does know that one of its employees, E. C. Beuthin, United States Gypsum Company's first Safety Director, has stated in his deposition that he attended a conference in 1955, at which papers discussing this relationship were presented.

Documents produced in other litigation pertaining to this issue have come to U. S. Gypsum's attention. These documents were produced by other parties; U. S. Gypsum has not found them in its own files and can make no representations concerning the origin or authenticity of those documents. The documents suggest that in approximately October 1948, U. S. Gypsum may have received a draft report concerning inhalation experiments on laboratory animals exposed to high levels of asbestos dust. It was reported that some of the animals developed lesions described variously as lung cancer and non-malignant adenomas. U. S. Gypsum believes that these are the same experimental results reported to the National Cancer Institute by Dr. L. U. Gardner in 1943 and Dr. Kenneth M. Lynch in 1947 and referred to

by Drs. Lynch, McIver and Cain in their 1956 published article, "Pulmonary Tumors In Mice Exposed To Asbestos Dust," 15 A.M.A. Archives of Industrial Health 207 (March 1957), which was received for publication in 1956.

United States Gypsum Company is now aware that the first published study which established a direct association between the inhalation of asbestos fibers and the development of mesothelioma was the 1960 epidemiological study entitled "Diffuse Pleural Mesothelioma and Asbestos Exposure in the North Western Cape Province" by J. C. Wagner, et al., which described mesothelioma occurrence among persons exposed to crocidolite, at or near crocidolite mines in South Africa.

United States Gypsum Company is not aware of precisely when it first knew of the relationship between the inhalation of asbestos fibers and the development of mesothelioma, except that it believes that the first employee to become aware of this association was G. R. Krug, one of United States Gypsum Company's former Safety Directors. Mr. Krug has testified that he first became aware in the early to mid-1960's of the association between exposure to asbestos fibers and the development of mesothelioma in asbestos miners, as a result of reading articles in newspapers and magazines.