



MINUTES
of the
TECHNICAL & RESEARCH COMMITTEE MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
New York, N. Y. March 5, 1965

The meeting was called to order at 9:15 A. M. with the following in attendance:

W. Acker	Johns-Manville Sales Corp.
T. C. Campbell	Owens-Corning Fiberglas Corp.
C. E. Ernst	Johns-Manville Sales Corp.
W. Gubar	Gustin-Bacon Mfg. Company
M. Hay	Pittsburgh Plate Glass Company
H. P. Hoopes	Fibreboard Paper Products Co.
A. Kevlin	Owens-Corning Fiberglas Corp.
P. L. Losse	Eagle-Picher Company
R. McKee	Baldwin-Ehret-Hill, Inc.
C. E. Miller	Fibreboard Paper Products Co.
V. L. Miller	Pittsburgh Corning Corp.
K. M. Ritchie	Baldwin-Ehret-Hill, Inc.
W. Schwingen	Ruberoid Company
W. Sinclair	Pittsburgh Corning Corp.
R. Stohrs	Pittsburgh Corning Corp.
B. Tower	Johns-Manville Sales Corp.
J. M. Barnhart	NIMA

ASTM SPECIFICATIONS

(a) Definitions (ASTM C-16 Subcommittee S-1) - The draft dated October 6, 1964, was discussed and the following changes were voted:

1. Par A5 - Change to read - "Cellular glass thermal insulation is composed of glass processed by fusion to form a homogeneous rigid mass of closed cells."
2. Par A6 - Change to read - "Mineral fiber amosite asbestos thermal insulation is composed principally of natural asbestos with or without heat resistant inorganic binders and fillers."
3. Par A7 - Change to read - "Mineral fiber rock, slag, or glass thermal insulation is composed principally of fibers manufactured from substances such as rock, slag, or glass with or without binders."

4. Par B2 - Add the words "or semi-rigid" after "rigid".
 5. ASTM C-16 Subcommittee S-I will be asked to define "rigid", "semi-rigid" and "flexible" thermal insulation.
- (b) Combination of C 312 and C 521 (ASTM C-16 Subcommittee T-VIII -
The specification as described in the Molded Section Minutes is to be presented for letter ballot of ASTM Committee C-16.
 - (c) Philosophy of Specifications - The Committee is of the opinion that the request contained in BRAB Report #45, Part B, Page 2, be proposed to ASTM Committee C-16 for their consideration. Further, Committee C-16 should concentrate their efforts toward strengthening their methods of tests to define the significance of the methods of tests.

"K" VALUES FOR ASHRAE GUIDE

The Table dated December 15, 1964, will be revised and recirculated to the Committee for comment.

THERMAL CONDUCTIVITY ROUND ROBIN

It was reported that it would be at least six weeks before the results of the final test is received from Owens-Corning. A meeting will be held prior to the scheduled Fall meeting and a final report will be given at that time.

FEDERAL SPECIFICATIONS

Federal Specifications HH-I-523, HH-I-545, HH-I-526, HH-I-558, and HH-I-559 were discussed as to changes requested by their respective Subsections.

C. E. Ernst was asked to prepare a common certification statement that could be used in all Federal Specifications.

OTHER BUSINESS

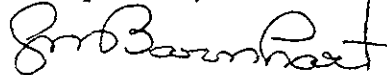
- (a) It was reported that a number of specifications pertaining to thermal insulation had been assigned to Mare Island Naval Shipyard, Vallejo, Calif., for revisions. (See attachment)
- (b) J. M. Barnhart was asked to obtain the procedure of how to order from the Federal Stock Catalog the next time he is in Washington, D. C., and to circulate it to the Committee.

- (c) The next scheduled meeting is to be held in New York, N. Y.,
September 30 and October 1, 1965.

ADJOURNMENT

There being no further business, the meeting was adjourned.

Respectfully submitted,


J. M. Barnhart

* Specifications assigned to Mare Island Naval Shipyard, Vallejo, Calif., for revision

SPECIFICATION REVISION SCHEDULE

Specification Number	Title	Date
<u>To be completed 1 January 1965</u>		
MIL-A-3316A*	Adhesive, Fire Resistant, Thermal Insulation	11-19-60
MIL-F-20077*	Felt, Asbestos, Roll	9-6-51
MIL-P-15006A	Paper, Sheathing, Fire-Resistant and Water Repellent	12-28-51
MIL-P-16725A	Packing Material (Spiral Low-Pressure, Plastic)	7-15-52
MIL-P-1342A	Packing Material (Lead, Shredded)	8-12-52
MIL-I-16688C*	Insulation Felt, Thermal, Fibrous Mineral (Semi-Rigid) (Light Weight)	2-6-53
MIL-P-18493	Packing, Preformed, Carbon; and Carbon Stock, Packing	8-26-55
<u>To be completed 1 July 1965</u>		
HH-P-106d	Packing Material, Flax or Hemp	5-18-56
MIL-P-18954 Am. 1	Packing Material Ni-Cr-Fe Alloy, Braided	9-4-56
MIL-P-2911A	Packing Assembly, Hydraulic, Conical and V Types	4-17-57
MIL-F-16374A.Am.1	Packing Material (Metal Covered, For Stern Tubes)	4-4-58
MIL-A-15199B	Adhesive, Asbestos Cloth to Pipe, Insulation	5-21-59
MIL-A-18065 Am.1	Adhesives, High Initial Bond	12-17-59
MIL-B-19564A	Bedding Compound, Thermal Insulation Pipe Covering	1-26-60
<u>To be completed 1 January 1966</u>		
MIL-C-2908A*	Cement, Finishing, Insulation	3-29-60
MIL-I-2818A*	Insulation Blanket, Thermal, Fibrous Material	5-25-60
MIL-C-19993A*	Coating Compound, Fibrous Glass Thermal Insulation Board, Water Vapor Barrier	1-18-61
MIL-(-21099 Am.3)*	Packing Assemblies, Hydraulic Conical and V Types, Fire Resistant Type Hydraulic Fluids	
MIL-P-17303CAM.4*	Packing Materials, Plastic Metallic and Plastic Nonmetallic	1-31-61
MIL-P-17349A Am.1	Packing Material, Rcd, High Pressure, Asbestos	2-2-61
MIL-P-17350A Am.1	Packing Material, Semimetallic, Symbol 1400	2-2-61
MIL-P-17416A Am.2	Packing Material, Metallic, Flexible (Symbol 1430)	2-2-61

SPECIFICATION REVISION SCHEDULE
(Continued)

Specification Number	Title	Date
<u>To be completed 1 July 1966</u>		
MIL-P-17578 Am.1	Packing Material, Plastic(For Dogs for Watertight Closures)(Symbol 1425)	2-15-61
MIL-C-19565 Am.1	Coating Compound, Thermal Insulation Pipe Covering-Fire-, Water-, and Weather-Resistant	2-15-61
MIL-P-20084B*	Packing Material, Ramie-Fiber	3-27-61
MIL-A-17472 Am.2*	Asbestos Sheet, Compressed (Packing Material)	4-21-61
MIL-I-742A Am.1*	Insulation Board, Thermal, Fibrous Glass	5-15-61
MIL-I-22023 Int. Am.1*	Insulation Felt, Thermal and Sound Absorbing Felt, Fibrous Glass, Flexible	7-6-61
MIL-A-23054	Acoustical Absorptive Board, Fibrous Glass, Preforated Fibrous Glass Cloth Faced	10-24-61
MIL-I-15475B*	Insulation Felt, Thermal, Fibrous Glass, Semirigid	3-16-62
<u>To be completed 1 January 1967</u>		
HH-P-44b*	Packing; Asbestos, Pore and Wick	5-24-62
SS-C-466d*	Cloth, Thread and Tape-Asbestos	6-19-62
MIL-I-15091C*	Insulation Felt; Thermal; Asbestos Fiber	7-3-62
MIL-I-16411C*	Insulation Felt, Thermal, Glass Fiber	7-3-62
MIL-I-23128A	Insulation Blanket, Thermal, Refractory Fiber, Flexible	8-24-62
MIL-C-78ED	Cloth; Brattice, Cotton, Fire Resistant	12-11-62
MIL-C-20079D*	Cloth, Glass; Tape; Textile, Glass; and Thread, Glass	2-21-63
MIL-P-2863B	Packing, Preformed, Condenser-Tube (Symbol 1435)	4-24-63
<u>To be completed July 1967</u>		
MIL-P-20241C*	Gasket Material, Wool Felt, Impregnated, Adhesive, Pressure-Sensitive	5-17-63
MIL-I-2781D*	Insulation, Pipe; Thermal	6-13-63
MIL-I-22344B*	Insulation, Pipe; Thermal, Fibrous Glass	8-6-63
MIL-I-2819D*	Insulation Block, Thermal	8-9-63
MIL-C-22395A	Compound, End Sealing, Thermal Insulation Pipe Covering-Fire, Water-, and Weather-Resistant	8-29-63
MIL-C-2861C*	Cement, Insulation, High Temperature	9-17-63
MIL-I-15349B	Insulation Tape, Thermal	11-18-63
MIL-I-876B*	Pipe-Insulation, Cork (Fire Resistant Vapor-Barrier Coating)	1-9-64