M I N U T E S

TECHNICAL & RESEARCH COMMITTEE MEETING

NEW YORK, N. Y. November 7, 1968

M O L D E D S E C T I O N

The meeting came to order at 9:10 A.M. with the following in attendance, Messrs.:

R. Harmon - PPG Industries

J. McAllister - BEH

W. McHale - Owens-Corning

W. C. Schwingen - GAF

B. Tower - J-M

C. Weber - J-M

AGENDA

1. Mil-I-24244 Insulation Materials, with Special Corrosion and Chloride requirements.

The Molded Section reviewed the meeting of 9/19/68 with the representatives of Electric Boat in Groton, Conn. NLMA and Electric Boat had agreed on four suggested changes which Electric Boat passed on to the Navy. The Navy rejected the proposal to extend the leaching time, accepted the alternate chloride test method and the clarification of the Mercury contamination clause and took under consideration the suggested change in sample and lot definition. The committee requests that Mr. Barnhart contact Electric Boat for a progress report on the sample and lot questions.

2. Combined Military Specification Mil-I-2781 and Mil-I-2819

The proposed combined specification was sent to the Navy in July. Mr. Barnhart was advised that he would have a reply by Sept. 25, 1968. To date, there has been no reply. The Government Committee was requested to meet with Mr. Puglesie of the Naval Ship Engineering Center as soon as possible (probably week of 11/18/68) in an attempt to initiate prompt action on this proposed change. It was felt that action on this matter should get high NLMA priority.

3. ASTM C-533

Mr. Kevlin agreed to provide Mr. Barnhart with recommended changes in order to up-grade this Specification. Mr. Barnhart will advise ASTM sub-committee S-I that he is preparing suggested revisions. Every attempt will be made to improve this Specification and do it in as short a time as possible.

A discussion was held on the philosophy of NIMA attempting to refer all federal and military specifications to an ASTM Specification. It was generally agreed that, when NIMA felt the ASTM Specification in question was adequate, efforts would be made to refer the federal and military back to it. When the ASTM Specification was felt to be inadequate, efforts would be made to improve subject ASTM Specification before referring federal and military to it.

4. Other Business

a) It was suggested that Government Committee members be advised of T&R committee meeting dates and be sent a copy of the agenda.

b) Mr. Tower agreed to obtain a copy of the amended version of Section 75 of the MARAD Specification. He will forward said copy to Mr. Barnhart for distribution to the committee-members.

c) Each member was requested in June 1968 to forward 15 copies of his company's current literature to Mr. Barnhart for distribution to T&R members. This request was repeated as several members had not forwarded their literature.

d) The Molded Section requested the status of their suggestions to the Board of Directors for full time secretarial help and expanding the responsibilities of the committee chairmen in order to relieve the Executive Secretary of some of his increased work load.

There being no further business, the meeting was adjourned.

Respectfully submitted,

W. C. Schwingen
Chairman, Molded Section
T & R Committee

WCS:rc

MINUTES

of the

TECHNICAL & RESEARCH COMMITTEE MEETING

NATIONAL INSULATION MANUFACTURERS ASSOCIATION

New York, N.Y. November 7, 1968

MINERAL FIBER SECTION

The meeting was called to order at 9:30 A.M. with the following in attendance:

W. T. Irwin, Chairman	PPG Industries
C. E. Ernst	Johns-Manville
W. Gubar	Certain-Teed/Gustin-Bacon
A. Kevlin	Owens-Corning
L. Lach	Johns-Manville
L. Mills	Certain-Teed/St. Gobain
J. M. Barnhart	NIMA

CS-131

It was agreed that this Commercial Standard was obsolete and should be dropped.

FEDERAL SPECIFICATION HH-I-545

The responsibility of this Specification was relegated to the Duct Systems Committee.

ASTM SPECIFICATION C-612

The revised specification, which dropped the alkalinity requirement, was sent to ASTM C-16 Subcommittee S-I for letter ballot.

FEDERAL SPECIFICATION HH-I-558

The following changes were agreed to:

Par.1.2.1	Delete "Semi-rigid" and "Rigid" - under Form A.
Table I	Form A - dimensions shown in length and width columns are reversed.

Table I Change Form D, Type IV, length to 2 feet.

Table I - "Sizes" - Should be amended in the thickness column for Form D (pipe insulation) to add the word "nominal"[4]. Note 4 shall read "See paragraph 3.5.1.1". Paragraph 3.5.1.1 should be amended to read "..... Thicknesses available for various pipe and tube sizes are nominal. Actual thicknesses will vary in accordance with manufacturers' standard sizes. Greater thicknesses are available by combining two or more layers of insulation.....".

Table III - "Thermal Conductivity" - (of flexible blankets) - K factor data for textile fiber insulation should be changed as follows:

MEAN TEMPERATURE	B - 1	B - 2
25	.30	.29
50	.32	.31
75	.34	.33
100	.37	.35
200	.53	.50

Par. 3.3.1.1 Change to read: "The blankets shall be either of two types of fibers..."

Par. 3.3.1.2 Change to read: "...and upon release shall spring back to its..."

Par. 4.4.10 Change to read: "...a preload of 2.5 pounds sq.ft. for classes 2, 3 and 4, and a preload of 36 pounds/sq. ft. for class 5."

Table II Change Class 4 Compressive Load from 700 pounds/sq.ft. to 75 pounds/sq.ft.

Table IV Class 7 - Change to "Up to 4-1/2 pcf" and delete column entitled "above 4-1/2 pcf."

Par. 6.2(j) Change to read: "form C whether metal-mesh covered..."

J. M. Barnhart is to write to GSA incorporating the above changes.

TEMPERATURE LIMITS

Recommendations as to how the upper temperature limits for mineral fiber products are determined was discussed.

It was agreed that each company was to send to the NIMA office, prior to December 1, 1968, for circulation to the Committee their individual laboratory test method as well as their criteria for establishing upper temperature limits for their products.

A standard method of test to evaluate upper temperature limit is to be established.

THERMAL CONDUCTIVITY CURVES

W. Gubar is to send to the NEMA office, prior to December 15, 1968, for comments by the Committee suggested "K" curves, for adoption as NEMA Standard, that are indicative of the various processes used to produce resilient-flexible blankets.

It is recommended that manufacturers publish "K" values that are consistent with current production and that published literature should reflect these values by October, 1969.

NEXT MEETING

It was agreed to hold the next Committee Meeting in conjunction with the Spring ASTM Meeting, in Savannah, Ga.

ADJOURNMENT

There being no further business, the meeting was adjourned.

Respectfully submitted,

J. M. Barnhart

JMB:rc