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 NIMA office, prior to December 15, 1968, for comments by the Committee suggested "K" curves, for adoption as NIMA 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