

MINUTES
of the
TECHNICAL & RESEARCH COMMITTEE MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
New York, N. Y. January 30, 1964

Rock & Slag Section Glass Section

The meeting was called to order by W. Gubar with the following in attendance from the Glass and Rock & Slag Sections.

Wm. Anderson	Owens-Corning Fiberglas Corp.
K. M. Ritchie	Baldwin-Ehret-Hill, Inc.
C. E. Ernst	The Johns-Manville Sales Corp.
P. E. Losse	The Eagle-Picher Company
W. T. Irwin	Pittsburgh Plate Glass Co.
T. S. Clousing	M. H. Detrick Company
H. M. Grant	Gustin-Bacon Mfg. Company
W. Gubar	Gustin-Bacon Mfg. Company
Russel Austin	Gustin-Bacon Mfg. Company

The topics for discussion were taken up in accordance with J. M. Barnhart's letter of December 19, 1963.

PROPOSED FEDERAL SPECIFICATION FOR MINERAL FIBER (FOR ELEVATED TEMPERATURES) INTERIM SPECIFICATION HH-I-00558

(1) Owens Corning requested a change in the Form B type IV use temperature from 400° to 250° F. It was their contention that the OC Aerocor type blanket is not recommended for use at temperatures up to 400°F. It was suggested by Jack Barnhart that two types of resilient blankets be incorporated in the specification; one for 250° F and the other for 400° F.

(2) The following changes were recommended in Table I page 2.

(a) e and f classes should be under CVII
(b) g class should be under CVIII
(c) Add h and j classes for pipe sizes 3" and above under Type V III.

(3) Under specification on page 3 add ASTM C-177 and C-335.

(4) Change the certification on page 2 by deleting the phrase "to have successfully completed tests" to read, "The thermal insulation offered under this specification when required shall be certified by the manufacturer for ------."

(5) Since the requirements and procedures for test were not congruent it was decided to have Jack Barnhart rewrite the requirements as in the original specification. This shall be scaled down to conform to the standard 8 x 10-1/2 specification sheet.

PROPOSED FEDERAL SPECIFICATION FOR MINERAL FIBER (LOW TEMPERATURE) INTERIM SPECIFICATION HH-I-00559

This specification was not reviewed. Jack Barnhart is to rewrite this specification in the same format as HH-I-00558.

PROPOSED FEDERAL SPECIFICATION - INSULATION, FELT, THERMAL AND ACOUSTICAL, MINERAL FIBER (DUCT LINING MATERIALS)

The NIMA draft of this specification was sent to Mr. R. E. Lyons, General Service Administration, December 13, 1963. No comments were received from Mr. Lyons.

ELIMINATION OF FIBER DIAMETER REQUIREMENTS FROM GOVERNMENT SPECIFICATIONS

(1) It was decided by this group that the federal specification should have the fiber diameter deleted from the specifications.

(2) In the MILITARY specifications the fiber diameter serves a useful purpose in characterizing the type of product and its properties other than thermal conductivity.

CONDENSATION THICKNESSES

This subject was discussed at some length and no agreement could be reached for a standard condition. A standard condition would serve one purpose and that is the reporting of company data. Engineers would still have to calculate wall thicknesses to their respective conditions.

TECHNICAL PRACTICABILITY OF ELIMINATION OF 1/2 PCF OR 3/4 PCF BLANKET PRODUCT AND 1/2" AND/OR 3/4" THICKNESS PIPE INSULATION

(1) The elimination of the 1/2" or 3/4" pipe insulation thicknesses could not be resolved. The 1/2" wall thickness is used exclusively at room temp to 250° F. The 3/4" is used on chilled water lines (50°F).

(2) The design conditions of 90DB and 80 WB which the majority of the manufacturers use set the wall thickness at 3/4". the committee stated if a particular ambient condition is chosen to give a 1" minimum thickness, an outside source must be considered for justification of this design condition.

FACINGS

W. Gubar presented his data to the committee. Jack Barnhart is to circulate this information for comment.

R-FACTORS

This subject was discussed briefly. Since this subject is to be on the March 1, 1964 agenda, no decision was reached.

Respectfully submitted

W. GUBAR