

MINUTES
of the
TECHNICAL & RESEARCH COMMITTEE MEETING
Glass Section
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Pittsburgh, Pa. March 24, 1959

Chairman M. W. Keyes called the meeting to order at 10:30 A. M. with the following in attendance:

M. W. Keyes, Chairman	Pittsburgh Plate Glass Company
Walter Gubar	Gustin-Bacon Manufacturing Co.
V. L. Miller	Pittsburgh Corning Corp.
D. E. Morganroth	Owens-Corning Fiberglas Corp.
L. Scott	Johns-Manville Sales Corp.
J. M. Barnhart	National Insulation Mfrs. Assn.

Mr. Keyes outlined the meeting of the Chairman and Sub-Section Chairmen of the Technical & Research Committee that took place on February 19, 1959. The consensus was that the overall objectives of that meeting represented those of the Glass Section.

Mr. Barnhart was asked to contact the following in connection with testing pipe, block and other forms of insulating products to determine whether they have equipment available to test thermal conductivity from ambient to 500°F hot face temperature and from 500°F to 1000°F (or above) hot face temperature:

Mr. R. M. Lander
1328 West 28 Street
Minneapolis, Minn.

Mr. E. R. Queer
Director Eng. Research
Penn State University
University Park, Pa.

Mr. Barnhart was asked to contact Mr. G. R. Monger, Chairman, ASHRAE, TAC on Insulation, and determine the status of the program that the TAC is engaged in pertaining to round robin testing by various independent testing laboratories to calibrate the conductivity equipment of the laboratories by testing standard samples as prepared by the manufacturers of insulating products.

STANDARD FACINGS & JACKETS

The proposed list of standard facings and widths was discussed, and the list, marked 32459, and attached hereto, will be circulated to the Glass Section for approval and/or comments.

It was suggested that a list of standard jackets to be used as vapor barriers on pipe insulation be compiled. The Committee members were asked to submit their recommendations to the Association office.

Further, it was suggested and agreed that eventually the industry should standardize on the performance properties of facings and jackets; i. e. perm ratings, tear resistance, puncture resistance, flame resistance, etc.

MILITARY SPECIFICATION: INSULATION PIPE COVERING, THERMAL, FIBROUS GLASS

This specification, dated 9/14/57, being prepared by the Bureau of Ships was discussed.

It was agreed that the following paragraphs be revised to read:

- 1.1 This specification covers fibrous glass pipe covering for use as thermal insulation on pipes, valves and fittings in the temperature range of 28° F to 370° F.
- 3.2.1 Length - A tolerance of plus or minus 3/16 inch in length will be permitted.

Table I, "Inner Diameters of Pipe Covering for Nominal Iron Pipe Sizes", was discussed, and it was agreed that no changes need be made in the Table as it now stands.

Paragraph 5.1; Packaging was discussed and it was agreed that the packing requirements for Level A and Level B packing was too costly and burdensome on the industry. It was recommended that the packing requirements be more fully investigated.

The advisability of including insulation sizes for copper tubing was discussed, and it was agreed that the inclusion of this data in the specification was not applicable.

TRADE NAME PRODUCTS

The trade names of products manufactured by the Association membership and the ASTM, Federal and Military Specifications to which they comply, will be collated and circulated as soon as they are received from the various sub-sections.

GLASS FIBER SPECIFICATIONS

The basic approach to specification writing was discussed, and it was the feeling of the Sub-Section that specifications should be written on a composition basis. .

DUCT INSULATION

A letter from Myron D. Miller, Secretary of NMWA, was read concerning an FHA problem pertaining to the use of duct insulation in residences. If an industry committee is set up to study the problem, the Glass Section recommends that the Association participate in it.

It was suggested that a standard test procedure to determine erosion effects on duct liners and the recommended criteria determining friction factors for duct liners be studied. Mr. Morganroth was asked to circulate to the Committee test data that was available for this purpose.

RECOMMENDED THICKNESSES

The Committee agreed that in view of increases in fuel costs, etc., that an economic evaluation of thicknesses should be made.

The Technical & Research Committee, before action is taken on thicknesses, should agree to a common basis of approach to the problem.

PARTING STRENGTH

The Committee recommends that the method of test for determining the mechanical handling properties of glass fiber products be reviewed.

MINERAL WOOL MOLDED-TYPE PIPE INSULATION
FOR LOW TEMPERATURES - ASTM (C 300-52T)

Mr. Barnhart was asked to circulate the proposed revision to this specification for approval and/or comments of the Rock & Slag and Glass Sub-Sections.

MINERAL WOOL BLANKET & FELT INSULATION
(INDUSTRIAL TYPE) FOR ELEVATED TEMPERATURES AND FOR
LOW TEMPERATURES (ASTM C 382 and ASTM C 264)

The revisions to these specifications were discussed in general and a proposed revision will be circulated to the Rock and Slag and Glass Sub-Sections for approval and/or comments.

ACOUSTICAL MATERIALS ASSOCIATION MANUAL

The make up of this manual was discussed with reference to the classification of products.

ADJOURNMENT

There being no further business

The meeting was adjourned.

Respectfully submitted

J. M. Barnhart