PLAINTIFF'S EXHIBIT 112

MINUTES
of the
TECHNICAL & RESEARCH COMMITTEE MEETING
Molded Section
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Princeton Inn. Princeton, N. J.
May 26, 1959

Chairman U. W. Smith called the meeting to order at 10:00 A. M. with the following in attendance:

MEMBERS

U. W. Smith, Chairman	Ehret Magnesia Manufacturing Co.
L. L. Collonge	Mundet Cork Corporation
D. A. Davis	The Ruberoid Company
M. E. DeReus	Union Asbestos & Rubber Company
W. D. Gaches	Johns-Manville Sales Corp.
H. P. Hoopes	Fibreboard Paper Products Corp.
W. R. Seipt	Keasbey & Mattison Company
E. C. Shuman	Owens-Corning Fiberglas Corp.
R. C. Parlett	Johns-Manville Sales Corp.
J. M. Barnhart	National Insulation Mfrs. Assn.

FEDERAL SPECIFICATION HH-I-554

Mr. Barnhart was instructed to present to the Federal Specifications Board recommendated changes as circulated to Committee Members under date of April 1, 1959.

MILITARY SPECIFICATION MIL-I-2819

Under date of April 1, 1959, members were asked to comment on revision to this specification. Replies from Mr. Shuman and Mr. Seipt were read and discussed. All agreed that a minus tolerance as well as a plus tolerance on length, width and thickness should be written into the specification. A proposed MIL-I-2819A dated 29 August 1957, was sent out to certain members the latter part of 1957.

MILITARY SPECIFICATION MIL-I-2819 (Cont'd.)

Apparently no action was taken on this Proposed Specification. Mr. Barnhart was requested to check on status of this 2819A on next trip to Bureau of Ships in Washington.

MILITARY SPECIFICATION MIL-I-2781c

Members were advised this is still bottled up in Bureau of Ships trying to resolve some difference. Mr. Barnhart was requested to check status when in Washington.

FEDERAL SPECIFICATION HH-I-523a

It was agreed the specification should be revised to bring properties in line with Proposed Revision of ASTM C344-54T and ASTM 345-54T recently circulated in Sub-I of Committee C-16.

ADVERTISEMENT OF ALUMINUM JACKETING

In the May 1959 issue of POWER magazine there was apparent misleading information on comparative heat losses and surface temperature between Childers aluminum and other jackets. Mr. Barnhart will investigate.

HEAT LOSS CALCULATIONS

It was pointed out that calculations with same conductivity on the Heilman and MacMillan methods showed significant difference on heat loss and indicated surface temperature. It would be desirable to have common method as a goal, recognizing that present published information and data would not justify any immediate change. Also discussed was the apparent lack of facilities for outside testing for conductivity.

ECONOMIC THICKNESS

General discussion on factors involved in economical thickness calculation. Johns-Manville will send to members a brochure on Thermobestos, showing recommended thickness for four types of installation. It was agreed the NIMA should study the feasibility of publishing in the future some form of recommended or economic thickness information.

ASTM RECOMMENDED PRACTICE FOR CLEARANCE OF PREFORMED THERMAL PIPE INSULATION

Mr. Hoopes asked for an expression on whether the Committee felt the above recommended practice should be changed to a specification. The opinion was

1. Remain as Recommended Practice

2. Field experience indicates the present values could be doubled due to variations in the pipe diameter and higher temperature application.

ADJOURNMENT

There being no further business

The meeting was adjourned.

Respectfully submitted

U. S. Smith, Chairman