PLAINTIFF'S EXHIBIT 165

MINUTES
of the
TECHNICAL & RESEARCH COMMITTEE MEETING
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
Chicago, Ill. March 8, 1962

Molded Section

Chairman H. P. Hoopes called the meeting to order at 9:30 A. M. with the following in attendance:

H. P. Hoopes, Chairman	Fibreboard Paper Products Corp.
W. P. Sinclair	Union Asbestos & Rubber Co.
V. L. Miller	Pittsburgh Corning Corp.
D. B. Wingerter	Johns-Manville Sales Corp.
Utley Smith	Baldwin-Ehret-Hill, Inc.
E. F. Ott, Jr.	Keasbey & Mattison Co.
W. R. Seipt	Keasbey & Mattison Co.
A. Kevlin	Owens-Corning Fiberglas Corp.
R. C. Parlett	NIMA

DEFINITIONS

Comments have been received on the 11/28/61 issue of Definitions. These comments were resolved in the following manner:

Composition

Item 1. Change title from "Mineral Fiber" to Mineral Fibers".

Item 7. Should be changed to read "Mineral Fiber Thermal Insulation is composed principally of fibers manufactured from mineral substances such as rock, slag or glass with or without heat resistant inorganic binder (s)." This, then, conforms with Item 3 on Diatomaceous Silica, since both Item 3 and Item 7 are generic terms and apply to loose products as well as to rigid materials.

Item 5. Has been revised to read "Cellular glass thermal insulation is composed of glass processed by fusion, to form a rigid homogeneous mass of hermetically sealed cells."

Item 8. Has been revised to read "Cellular plastic thermal insulation is composed of organic materials processed to form a homogeneous mass of cells."

Forms

Item 2. Has been revised to read "Block or board insulation is rigid thermal insulation preformed in rectangular units to fit flat surfaces or curved surfaces of diameters above 33 inches."

Item 8. Has been revised to read "Felt insulation is semi-rigid or flexible thermal insulation, normally furnished in flat sheets composed of mineral fibers with or without binder.

RECOMMENDED PRACTICE FOR INSULATION O.D.'S FOR TUBES

After considerable discussion an agreement on tubing sizes could not be reached. Since we do already have a Table ~~of Sizes for~~ Iron Pipe, why then could these sizes not be used for tubing and avoid a second table. Therefore, Jack Barnhart will poll the members by sending them the latest ASTM Table for IPS dated January 31, 1961 requesting them to either approve or to submit their reasons as to why any or all of these sizes are not acceptable for tubing. These are to be returned back to Jack within 30 days. He will then summarize the results and circulate them to the members well before the next T & R meeting.

TRUENESS AND SQUARENESS OF BLOCK AND PIPE COVERING

Within about a month, Paul Losse will take photographs of various ways in which pipe covering can be out of trueness and squareness. These pictures will serve as a basis to help define what is meant by trueness and squareness before a method for measuring these qualities can be drawn up. Ed Davis submitted a tentative method of test for trueness and squareness of block insulation. This was reviewed and the following changes were recommended. In Paragraph 3(a)2, change to read "Place the straight edge on edge on both diagonals, corner to corner." In the figures 2(a) and 2(b), instead of a triangle a carpenter's square should be illustrated.

COMMENTS FROM LETTER BALLOT OF ASTM C-391 AMOSITE ASBESTOS THERMAL INSULATION FOR PIPES

Three comments were recieved to the paragraph on Composition 3a. These comments ~~are~~ all resolved with the following addition at the end of this paragraph --"With heat resistant inorganic binder(s) and with or without filler." One other comment received from Armstrong Cork Co. was editorial in nature for which NIMA have no further comments.

SPECIFICATION FOR LAMINATED CALCIUM SILICATES FOR PIPE (K&M ZEBRA)

Based upon comments received from the first draft of this proposed specification, Mr. Streepy was to have prepared a redraft before submitting to S-1 for Letter Ballot. Mr. Streepy advised that he has not had the opportunity to prepare such redraft and will advise NIMA when it is ready.

PROPOSED 85% MAGNESIA BLOCK AND PIPE COVERING ASTM SPECIFICATION

Jack Barnhart had combined the two existing, separate specifications into one, and submitted it to Committee C-16 for balloting. There were 89 returns, 75 affirmative and 14 not voting. No negative ballots were received. Some ballots returned comments. These were reviewed and they were all found to be of an editorial nature. Therefore, NIMA have no further comments to make and recommend that Committee C-16 handle them in the usual manner.

MILITARY SPECIFICATION MIL-I-2819C 23, Oct. 1, 1961

Copies of this relatively new specification were distributed. It had been issued after the NIMA had submitted recommendations for certain changes to be made to a previous interim specification. Jack Barnhart will send out to the members differences between our recommendations and the new specification. Each member is requested to study these differences, and then submit comments to Jack Barnhart within a month. Jack willsummarize these comments and send copies to all members before the next meeting.

ADJOURNMENT

There being no further business, the meeting was adjourned at 3:00 P. M.

Respectfully submitted
W. R. Seipt
Secretary pro tem