

NIMA -- T & R COMMITTEE

Mineral Fiber Section

March 26, 1971

The spring scheduled meeting of the T&R Committee, Mineral Fiber Section, convened at 9 a.m. at the Summitt Hotel in New York City with the following members in attendance:

C. E. Ernst--JM
W. Gubar--CSG
W. T. Irwin--PPG
L. H. Mills--CSG

The following agenda items were discussed:

(1) SUGGESTED REVISIONS TO FEDERAL SPECIFICATION FH-I-558 (L. Mills)

Action: The revisions sent by the Committee members were discussed and the items encircled in red in the attached specification were to be deleted from the specification. The Committee requested that each manufacturer send a list of products that they would sell under Class I of Table II, Page 7. Class I product is designated as a block or board but not load bearing. It was also requested that Lou Mills advise the Federal Supply Agency that the manufacturers requested that the specification retain the rigidity test to keep blanket from appearing in Table II, Class I. Also Lou Mills is to set a meeting date with Federal Supply and present our comments.

(2) ACOUSTICAL PERFORMANCE OF DUCT LINERS AND DUCT SYSTEMS (W. Gubar)

Action: W. Gubar informed the Committee that CSG had their 1.5" duct liner tested and each member had received the test data from Riverbank. W. Gubar was to call Riverbank and determine what materials were received and advise the members who were delinquent.

The subject of acoustical performance of duct systems was discussed. C. Ernst and the writer informed the Committee that this subject came up at the Duct Systems Committee meeting. What is needed is a test method for the determination of attenuation of sound in ducts. The writer informed the Committee that Bolt, Beranik & Newman is capable of doing this type of work and that it may be to

the benefit of NIMA to have a test conducted by this group on member ducts. This subject will be discussed in further detail at the next meeting.

(3) NAVAL SHIPBOARD FIRE RISK CRITERIA (W. Gubar)

Action: Phase I of this program had as its objective to survey the fire test criteria used in the selection of material for ship use, and suggestion of possible modifications to the present material specification to improve fire safety.

For insulation materials the flamespread and smoke were considered by the report as the most important properties. The report stated that smoke movement was much faster and more extensive than flamespread and often becomes a more disabling factor than the actual spread of fire.

Mr. Lou Mills pointed out that this is a five (5) years program and that the second phase would be to make a large scale fire study to investigate the contribution of material in which the criteria was set by the radiant panel, potential heat and smoke density chamber test.

Mr. W. Irwin informed the Committee of a very severe situation in New York, Dallas and Fort Worth. It appears that codes in these cities are written utilizing the heated tube test as the criteria for incombustibility. The National Building codes use the heated tube test, ICBO uses the heated tube test and Flash Point (ASTM-093)--BOCA and Standard Codes uses the heated tube test.

W. Gubar is to write to Jack Bono at UL Laboratories concerning the problem of fire rating by codes and determining what action UL is to take concerning the use of heated tube test instead of the flamespread test.

Mr. Irwin also brought an article appearing in the Jan., 1971 FIRE JOURNAL entitled "New York Office Building Fire" (copy attached).

Mr. Ernst discussed briefly the ERAB Report on "Fire Loads in Buildings" and Lou Mills is to get copies for the Committee.

(4) COMBINED MILITARY SPECIFICATION (L. Lach)

Action: Mr. Lach is still working on the project.

(5) COMBINED ASTM SPECIFICATION ON MINERAL FIBER PROMOTS (C. Ernst)

Action: Mr. C. E. Ernst is still working on the project.

(6) SUGGESTED REVISIONS TO RH-I-545

Action: W. Gubar has received members comments and will revise the specification and send it for comments. When all of the acoustical data is received, this information will be incorporated into Table II.

(7) NEW BUSINESS -- FACING & JACKET SPECIFICATION (L. Mills)

Action: Lou Mills suggested that NIMA write a specification on jackets incorporating tensile strength, fire test, moisture vapor transmission, and puncture. It was his thinking that we should have three types of jacket for pipe insulation: (1) jacket for concealed spaces, (2) jacket for exposed spaces and (3) glass cloth type jacket.

There is presently a Committee in ASTM in which Mr. Gubar and Mr. Mills are members working on facings and jackets for insulation. No conclusions were made as to what we should do but each Committee member is to think about this problem and come prepared to discuss it more fully at the next meeting.

(8) COEFFICIENT OF FRICTION

Action: Mr. Irwin informed the Committee that Paul Josse had written the method for coefficient of friction and that it would be prepared during the week of April 16 to have the Committee at their testing laboratory in Shelby, North Carolina to show us the equipment.

The meeting adjourned about 3 p.m.

Walter Gubar

WG/meh
enc.