

MINUTES  
of the  
TECHNICAL & RESEARCH COMMITTEE MEETING  
NATIONAL INSULATION MANUFACTURERS ASSOCIATION  
Lake Placid, N. Y. September 19, 1963

Rock & Slag Section

The following were present during all or part of this session:

|               |                            |
|---------------|----------------------------|
| P. L. Losse   | The Eagle-Picher Company   |
| C. E. Ernst   | Johns-Manville Sales Corp. |
| J. M. Barhart | NIMA - -                   |
| K. M. Ritchie | Baldwin-Ehret-Hill Inc.    |

STANDARD METHODS OF TEST

It was pointed out that the list was incomplete and that methods for "corrosiveness" and "tensile strength" should be included. No action was taken pending additional comment, but the intent is to request publication of these methods as a Federal Standard.

MIL-C-2861 - CEMENT, INSULATION HIGH TEMPERATURE

Mr. Losse, who was not present at the April 30 meeting in the NIMA office, recommended a return to the text of MIL-C-2861C instead of the Interim 002861B; specifically...

- (a) Qualification requirements should be re-inserted to maintain responsibility of bidders. Without this, bids may be received from brokers and others who are not producers and have no continuing reputation to maintain.
- (b) Work value requirement be re-inserted as an incentive to improve and maintain higher quality.
- (c) Consistency requirement based on ASTM C-405 be re-inserted as a basis for mixing cements for measuring physical properties. He submitted data to indicate that cements, when mixed with water to the consistency limits of MIL-C-2861A, did give satisfactory physical property values. He pointed out that the manufacturers recommended water ratio probably is a satisfactory basis for field application, but is modified as required by conditions and does not accommodate the normal fluctuations in material as well as the consistency requirement.

2. It was agreed to advise the principals that a method has been developed and a policy decision has to be made concerning product identification.

#### STANDARD FACINGS

1. Committee could not agree as to the value of standard facing list. Mr. Gubar circulated a list and several members would not commit themselves even though they made such a product. It was agreed to advise the principals of this disagreement.
2. It was also agreed that a facing specification could be written for ASTM T-10 Committee. Mr. Gubar was appointed to do the job.

#### MEASUREMENT OF FIBER DIAMETER (MICRONAIR METHOD)

1. Mr. Lotz would send the "C" Scale for the Micronair tester to the members. Mr. Gubar was to contact Mr. Wilt and obtain several standards for equipment standardization.

#### OTHER BUSINESS

1. Standardize correction factor for ducts. This will be taken up by the Duct Committee.

Respectfully submitted

W. Gubar

No reply has been received to Mr. Barnhart's letter of May 1 requesting changes in the 002861B draft, so no action was taken before another contact with the Bureau of Ships.

#### HH-I-500a INSULATING CEMENTS, THERMAL (PROPOSED REVISION)

This draft with covering letter of February 18, 1963, was sent to individual companies by the preparing sponsor, the U. S. Army Engineer Research and Development Laboratories. K. M. Ritchie discussed his letter of criticism and the reply received.

Inclusion of five different base compositions in six types of cement was objected to as well as elimination of all physical properties; instead an ASTM Specification number for each type was referenced. Such a form reduced the draft to little more than a list of ASTM Specification numbers, along with those of the Federal and Military Standards for packaging, marking, sampling and inspection. While this may serve as a reference book for a person writing up invitation for bids, it is not our idea of a specification.

These criticisms were rejected, but the reply did indicate an intent to enlarge the "intended use" paragraph, to give the reader more information. It also stated that the specification will be issued under the Designation SS-C-160.

It was recommended that further objection should point out that the Government agencies would lose all control over the properties of the cements since the referenced ASTM standards could be changed or withdrawn without their knowledge or consent.

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

Discussion on this was a joint session with the Glass Section and concerned mainly with test methods. A new draft will be circulated.

#### OTHER BUSINESS

Mr. Barnhart reported that GSA expects shortly to issue as interim specifications the two comprehensive Federal Specifications on Mineral Fiber thermal insulations which were prepared last year. The designations will be as follows:

HH-I-00558 (For Elevated Temperatures)  
HH-I-00559 (For Low Temperatures)

Some changes in form and arrangement have been made by GSA, which will be studied by the Committee as soon as copies are available.

Respectfully submitted

K. M. Ritchie