

ANNUAL REPORT 1961
ROCK & SLAG SECTION
TECHNICAL & RESEARCH COMMITTEE
NATIONAL INSULATION MANUFACTURERS ASSOCIATION
New York, N. Y. January 9, 1962

The Rock and Slag Section of the Technical & Research Committee, held three meetings in 1961. These meetings were in conjunction with those of the full committee held March 6, 1961, June 14, 1961 and September 21, 1961.

At each of these three meetings, the Rock and Slag Section met with the Glass Section to review five Federal Specifications with the view of consolidating them into two specifications and to enlarge their scope thru the inclusion of glass fiber materials that are not currently covered by these Federal Specifications. The specifications being reviewed are the following:

HH-I-542. Insulation, Felt, Thermal, Mineral Wool (for Low Temperature).
HH-I-552. Insulation Pipe Covering, Thermal, and Insulation Blanket, Thermal, Pipe Covering.
HH-I-562. Insulation, Thermal, Mineral Wool, Block or Board and Pipe Insulation (Molded Type).
HH-I-563. Insulation, Mineral Wool, Blanket, Felt, and Industrial-Batt (for Heated Surfaces).
HH-I-564. Insulation, Mineral Wool, Block and Board (for Heated Surfaces)

It is proposed that these five specifications be replaced by two specifications bearing the following titles:

Insulation, Thermal, Mineral Fiber (for Elevated Temperatures).

Insulation, Thermal, Mineral Fiber (for Low Temperatures).

As can be seen from these titles, the substitution of "Mineral Fiber" for the previous use of "Mineral Wool" follows the Association policy and enlarges the scope of each specification to include glass fiber materials. The first specification for mineral fiber insulation used at elevated temperatures covers the following forms, types and classes:

Form I - Block or Board - Rigid Materials

Type I - Inorganic - bonded - for use up to 1800 F.
Type II - Organic - Bonded - for use up to 700 F.
Type III - Organic - bonded - for use up to 400 F.

Form II - Blankets and Felts - Flexible and Semi-Rigid Materials

Type I - Metal-Mesh Covered Blankets
Class A - For use up to 1200 F.
Class B - For use up to 1000 F.
Type II - Resilient Flexible Blankets - for use up to 400 F.
Type III - Felt, Semi-Rigid - for use up to 400 F.
Type IV - Industrial Batt, Flexible - for use up to 1000 F.

Form III - Pipe Insulation

Type I - Molded - for use up to 370 F.
Type II - Blanket-Type
Class A - Metal-Mesh Covered - for use up to 1200 F.
Class B - Metal-Mesh Covered - for use up to 1000 F.
Class C - Resilient, Flexible - for use up to 700 F.

The second proposed specification covers the following forms and types:

Form I - Block or Board - Rigid Materials

Type I - Organic Bonded - Load Bearing
Type II - Organic Bonded - Non-load Bearing

Form II - Blankets and Felts - Flexible and Semi-Rigid Materials

Type I - Resilient, Flexible Blankets
Type II - Felt, Semi-Rigid

Form III - Pipe Insulation

Type I - Molded

In each specification appropriate values are given for combustibility, alkalinity, thermal conductivity, temperature of use, density, compressive strength, breaking strength, linear shrinkage, standard sizes, and dimensional tolerances where ever applicable to the specific forms, types or classes. In these proposed specifications, definitions are given for "Rigid Materials, Semi-Rigid Materials and Flexible Materials".

At the present time, the final drafts of these proposed specifications are being revised by members of the Rock and Slag Section and of the Glass Section.

In addition to the major undertaking given in detail above, the Rock and Slag Section prepared revisions to ASTM Specifications C-281, Mineral Fiber M lded Type Pipe Insulation, and C-392, Mineral Fiber Block or Board Insulation for Elevated Temperatures. The revisions to these specifications have been presented to ASTM C-16, Committee S-1 for letter ballot.

The members of the Section were given the opportunity to comment upon the proposed revisions to U. S. Department of Commerce, Maritime Administration Specification 32-MA-1b and to comment upon the proposed interim amendment to Federal Specification HH-I-562, Insulation, Thermal, Mineral Wool, Block or Board and Pipe Insulation.

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