

## ACCESSORIES:

With all factory-applied jackets enough 16 gauge galvanized wire and J-M Laptite<sup>®</sup> asphalt-plastic cement to seal joints will be furnished. In addition, a butt strip of the same jacket material, 7 in. wide and having the same circumferential length as the jacket, will also be supplied.

**USES:** Especially recommended for weather proofing insulated outdoor piping and small diameter equipment.

## COMPLIANCE WITH GOVERNMENT SPECS

No. 15-A perforated or unperforated complies with HH-F-185, Type I perforated, Class A and Type II plain, Class A.

No. 15-R complies with HH-F-191a, Type I.

No. 30-R complies with HH-F-191a, Type II.

No. 15-R (from Waukegan plant only) complies with HH-F-201, Type I.

## SHORT FORM SPECIFICATIONS

**WEATHERPROOFED OUTDOOR PIPING** "All outdoor pipe insulation shall be finished with a weatherproof jacket of \_\_\_\_\_ (fill in name). All joints shall be lapped at least 3", horizontal joints lapping downward to shed water. Longitudinal laps on vertical pipe shall be sealed with J-M Laptite. All other joints shall be left unsealed.

"The jacket shall be secured with loops of No. 16 galvanized wire applied on not greater than 4" centers, or 1/2" x 0.015" corrosion-resistant metal bands and clips applied on not greater than 6" centers, with one loop on each end lap, or two on each "butt strip."

**WEATHERPROOFED FITTINGS** "On pipe bends, fittings and flanges, the jacket shall lap about 4" over

## ADVANTAGES:

### Wide Jacket Selection

Eleven different jackets give user a choice to meet every requirement.

### Factory Applied

All J-M weatherproofing jackets can be furnished factory-applied thus eliminating the necessity of separate application at the job site.

### FACTORY-APPLIED JACKETS FOR EVERY PURPOSE

In addition to its line of weatherproofing jackets, Johns-Manville manufactures jacketing materials for every commercial and industrial purpose. These materials, which include kraft paper, canvas, asphalt felt, asbestos felt, and aluminum, can be furnished factory-applied to J-M Thermobestos calcium silicate pipe insulation. The felt, paper and canvas can also be factory applied to J-M 85% Magnesite and J-M Superesil pipe insulations. All can be supplied in roll form for large area protection or for field application.

the mastic-type weatherproofing." Note: See data sheet on J-M Insulcrete<sup>®</sup> weather protective coatings for specifications on bends, fittings and flanges.

**FIRE PROTECTION** "Where fire hazard must be considered due to the fact that flame may be carried along exposed piping when fire occurs adjacent to such lines, a fire-retarded weatherproof jacket of Asbestos Firecard<sup>®</sup> shall be applied."

**UNDERGROUND PIPING** "All pipe insulation in underground tunnels or conduits shall be protected from water submersion with a No. 30 asbestos weatherproof felt, perforated. All joints shall be lapped about 1 1/2" and left unsealed. Longitudinal laps shall be located on top of pipe to permit ready escape of steam after submersion."

Johns-Manville

22 East 10th Street, New York, N.Y. 10016

Sales offices in principal cities

353233

MADE IN U.S.A.

Johns-Manville

PRODUCT INFORMATION

type: Board  
temp. limit: 850F

## J-M NO. 1000 SERIES SPIN-GLAS<sup>®</sup> BOARD glass fiber insulation

**DESCRIPTION:** A semi-rigid board produced by a unique felting process that combines Spin-Glas fiber and controlled amounts of organic binder into an insulation with superior handling properties and insulating effectiveness at minimum cost.

**AVAILABLE FORMS:** Furnished in board form only in thicknesses from 1" to 6" in 1/2" increments. (can be made up to 8" by plying two layers); widths of 24", lengths 24", 36" or 48". Other sizes available on special order.

**USES:** For insulating furnaces, boilers, heated vessels, ducts and tanks.  
*Special Note:* No. 1000 Series Spin-Glas Board can only be used when properly held in place and supported with pins, studs or clips, and fully contained with metal mesh and/or finishing cement, sheet metal or other weather proofing finish. For temperatures over 600F, double-layer application is recommended.

\* J.M. Trademark

## ADVANTAGES:

### Easy Application

The firm, lightweight structure of this semi-rigid material makes possible impaling of insulation directly on studs or clips.

### Full Size Range

Wide variation of standard sizes eliminates trimming during installation, reducing application costs.

### Low Conductivity

No. 1000 Series Spin-Glas Board has a K factor of .36 at 500F mean.

### Corrosion Resistant

When tested in accordance with the corrosion resistant section of U.S. Maritime Administration specification 32-MIA-1c.

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PLAINTIFF'S  
EXHIBIT  
JM-2297

## NO. 1000 SERIES SPIN-GLAS BOARD

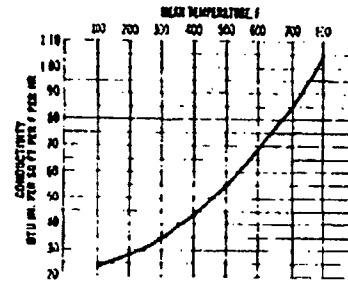
### Specification Data

#### PHYSICAL PROPERTIES

Density (nominal)  
Compression Strength  
Moisture Absorption

3 pcf  
50 psi (sufficient to produce 10%  
distortion in thickness)  
Maximum 1% by volume before  
heating

#### THERMAL CONDUCTIVITY



The values given herein are average typical values obtained in accordance with accepted test methods and are subject to change. Check latest data for the latest information.

#### OTHER J-M NO. 1000 SERIES SPIN-GLAS INSULATIONS

No. 1000 Series Spin-Glas Blankets  
(See Product Information Sheet IR-784U)

35334

**Johns-Manville**

22 East 40th Street, New York, N.Y. 10016

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## AIRACOUSTIC SHEETS

