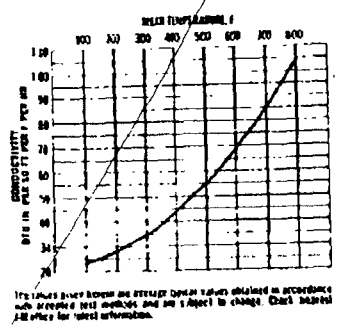
# NO. 1000 SERIES SPIN-GLAS BOARD

## Specification Data

### PHYSICAL PROPERTIES

| | |
|---|---|
| Density (nominal) | 3 pcf |
| Compression Strength | 50 psi (measured to produce 10% deformation in thickness) |
| Moisture Absorption | Maximum 1% by volume below heating |

### THERMAL CONDUCTIVITY




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

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

No. 1800 Series Spin-Glas Blankets
(See Product Information Sheet IN-780A)


**Johns-Manville**
22 East 40th Street, New York, N.Y. 10016
Sales offices in principal cities





384796



LITHO IN U.S.A.


**Johns-Manville**
INSULATION
PRODUCT INFORMATION



**type:** Faced Blanket
**temp limit:** 1000F

# J-M BANROC® BLANKETS mineral fiber insulation

**DESCRIPTION:** A felted, spun mineral fiber blanket secured between outer facings of metal fabric. Facing varies depending upon service requirements. The density and thickness of the blanket are carefully controlled to assure full insulating value. The density of the felt in the standard blanket is 8 lbs per cubic foot.

**AVAILABLE FORMS:**

No. 1 -1" wire mesh both sides.

No. 2--1" wire mesh and stucco lath.

No. 2A--1" wire mesh and expanded metal lath.

No. 2B--1" wire mesh ¾" ribbed lath (rib turned in).

No. 3--Stucco lath both sides.

No. 3A--Expanded metal lath both sides.

No. 3B--Stucco lath one side, expanded metal lath other side.

No. 4--Stucco lath and ¾" ribbed lath (rib turned in).

No. 4A--Stucco lath and ¾" ribbed lath (rib turned out).

No. 5--Stucco lath and ¾" ribbed lath (rib turned in).

No. 5A--Stucco lath and ¾" ribbed lath (rib turned out).

No. 6--¾" ribbed lath both sides.

No. 7--No. 12 mesh fly screen both sides.

No. 8--⅜" ribbed lath (rib turned in) and ¾" ribbed lath (rib turned out).

**USES:** Where the convenience of a flexible insulation, plus excellent thermal efficiency, is desired, J-M Banroc Blankets offer the highest quality mineral fiber product available today. This insulation is used for industrial baking ovens, dryers, ducts and breechings, and similar equipment. Banroc Blankets are adaptable to flat or curved surfaces and do not break in handling. They are easily cut on the job to fit around obstructions and irregular equipment, and may be used under normal conditions for temperatures to 1000F.


384797





PLAINTIFF'S
EXHIBIT
JM-2335

## ADVANTAGES:

**Easily Handled**

Higher strength and body improves "handleability" ... fibers will not dislodge around edges.

**Uniform Thickness**

More uniform fiber orientation results in uniform thickness and eliminates thin spots.

**Light Weight**

.67 per sq ft per 1 inch thickness.

**Square Edges**

Makes possible firmer and squarer blanket edges, both as furnished and as cut on the job.

**Factory Fabricated**

Each blanket made to conform to rigid product specs.

# BANROC BLANKETS
## Specification Data

### COMPLIANCE WITH GOVERNMENT SPECS

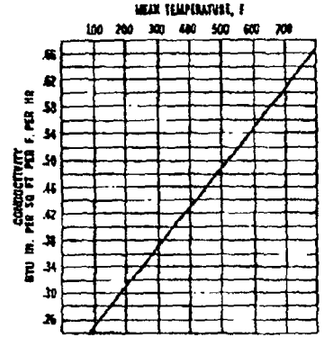
HH-I-558a, Form C, Class 11
HH-I-581, Amendment 1—Type I, Class A, B & C
MIL-I-7118 B
ASTM-C612-59T, Class II

### STANDARD SIZES AND THICKNESSES

| Blanket Size, Inches | Thickness, Inches |
|---|---|
| 24 x 48 | 1" to 8" by ½" |
| 24 x 96 | increments |

*The values given here are average typical values obtained in accordance with accepted test methods and are subject to change. Check nearest J-M district office for latest information.

### THERMAL CONDUCTIVITY




Johns-Manville
22 East 40th Street · New York, N. Y. 10016
Sales Offices in Principal Cities

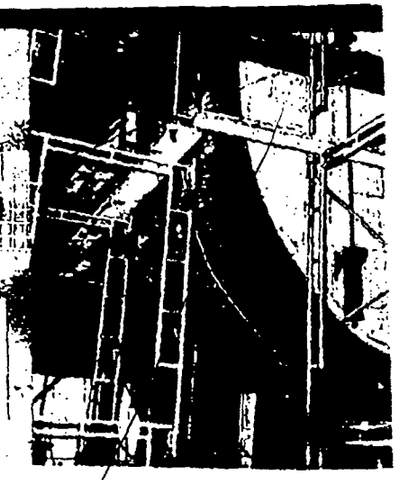
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IN 267A 8-59

LITHO IN U.S.A.

Johns-Manville
INSULATION
PRODUCT INFORMATION

type: Block
temp. limit: 1900F



# J-M H. T. BANROC® block insulation

**DESCRIPTION:** H.T. Banroc block insulation is a structurally strong and thermally effective insulating material made from felted spun mineral wool fibers bonded with a clay binder.

**AVAILABLE FORMS:** Furnished in block form only in thicknesses from 1½" to 4"; lengths up to 36"; widths to 24".

**USES:** For insulating furnaces, boilers, heated vessels and tanks.

### ADVANTAGES

**Easy Application**

Mineral wool composition makes possible ins of insulation directly on studs or edgs.

**Large Sheet Size**

Large size sheets, 24" x 36", cut installation cost

**Fireproof**

Made from mineral fibers which will not burn.

**Low Conductivity**

H.T. Banroc has a k factor of .625 at 800F.

### PHYSICAL PROPERTIES*

| | |
|---|---|
| Density (dry) | 15 lbs per cu ft |
| Transverse Strength (modulus of rupture) | 40 psi |
| Linear Shrinkage (after heating at 1800F) | less than 4% |

### STANDARD SIZES AND THICKNESSES

| Length, Inches | Width, Inches | Thickness, Inches |
|---|---|---|
| 18, 24, and 36 | 6, 12, 18, and 24 | 1½ to 4 by ½ inch increm |

### COMPLIANCE WITH SPECIFICATIONS

Commercial Standards CS-122, Block, Classes A, C, D
U. S. Coast Guard, Structural Insulation, 2", 164.007/73/0
HH-I-558a, Form A, Class 5.
HH-I-564, Form I, Types A, B, C, D
ASTM-C612-61T, Class D

### THERMAL CONDUCTIVITY*

| MEAN TEMPERATURE, F | 200 | 400 | 600 | 800 | 1000 |
|---|---|---|---|---|---|
| k..... | .360 | .420 | .510 | .625 | .955 |

Conductivity: Btu in. per Sq. Ft. per F per Hr.

*The values given herein are average typical values obtained in accordance with accepted test methods and are subject to change. Check nearest J-M district office for latest information.