

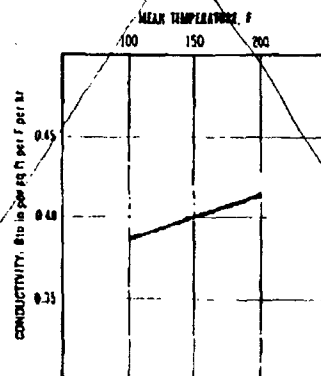
TANK TOP INSUL Specification Data

PHYSICAL PROPERTIES*

Density, pcf	11
Compressive Strength Compression	5% at 25 psi load 10% at 44 psi load 50% at 175 psi load
Surface Hardness (DIN 1000)	60
Capillary	0
Water Absorption submerged - 24 hrs - 5.0 percent by volume	
Temperature Limit	250F continuous service 350F intermittent service

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

THERMAL CONDUCTIVITY: BTU IN. PER SQ. FT. PER F. PER HR.



Johns-Manville

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

Offices in principal cities

381702

INSULATION

type: Enclosed
Blankets
temp limit: 1100F

J-M TURBINE BLANKETS

enclosed mineral fiber insulation

DESCRIPTION: J-M Turbine Blankets consist of a high temperature felted mineral insulation fully enclosed in a wire leaved asbestos cloth for temperature exposure to 850F, or a stainless steel mesh for temperatures from 850F to 1100F. The density and thickness of the felt are uniform to assure full insulating value.

AVAILABLE FORMS: Field-fabricated by authorized contractors to accurately fit area to be insulated in sizes and shapes according to contour of surfaces. Available also directly from J-M per blueprint. See reverse side for typical construction details.

USES: J-M Turbine Blankets are recommended for those areas requiring an easily removable and replaceable high temperature insulation such as turbine flanges, fluting flanges and valve bonnets.

ADVANTAGES

Removable

Lightweight J-M Turbine Blankets are furnished in convenient sizes with all necessary hooks or other fasteners for easy installation and removal.

Chemically Stable

Being inorganic, mineral fibers are incombustible and moisture resistant. Felt is tough and will not pull apart during handling.

High Insulating Value

Density of mineral fiber felt is carefully controlled at 8 lbs. per cubic foot. Has a thermal conductivity of 0.40 at 400F mean temperature.

Uniform Thickness

Uniform fiber orientation results in consistent thickness and eliminates thin spots.

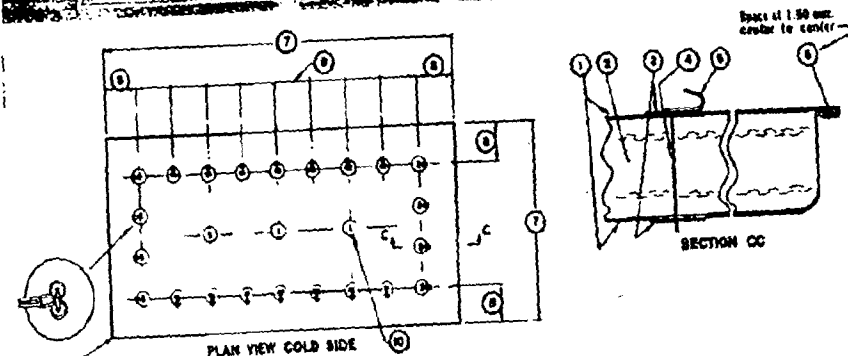
Field or Factory Fabricated

Each blanket made to conform to rigid specifications.

381703

TURBINE BLANKET Specification Data

TYPICAL CONSTRUCTION



Blankets may be constructed to be put being used at space on typical drawing through order or application

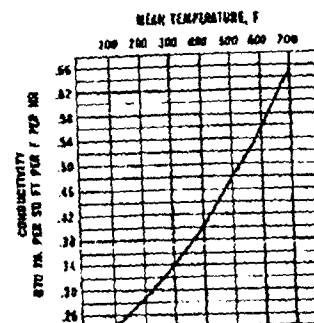
NOTES

1. Wire inserted asbestos cloth or stainless steel mesh
2. Mineral fiber felt insulation
3. Tuffing
4. Mineral or stainless steel wire
5. Wire lacing hook
6. Wire stitch or staple
7. Length and width to vary in accordance with job requirements
8. Standard 4". On odd size blankets this dimension may be varied
9. Tuffing with hooks equally spaced apart from 4" to 6"
10. Tuffing to be placed on approximately 12" centers

RECOMMENDED THICKNESS

Temperature F	Inner Layer (Mesh Enclosed)	Outer Layer (Wire Inserted Asbestos Cloth Enclosed)
250 to 450	None	1 1/2"
450 to 650	None	2"
650 to 850	None	3"
850 to 1000	2 1/2"	2"

THERMAL CONDUCTIVITY



Johns-Manville

22 East Main Street, Denver, CO 80202

Safety effects on personnel

384791

Like in U.S.A.

IN-525 1-67

Johns-Manville

PRODUCT INFORMATION

type: Board
temp. limit: 850F

J-M NO. 1000 SERIES SPIN-GLAS® 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 content, 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 studs or clips.

Full Size Range

Wide variation of standard sizes eliminates trim during installation, reducing application cost.

Low Conductivity

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

Corrosion Resistant

When tested in accordance with the corrosion resistance of U.S. Maritime Administration specification 32-MIA-1e.