

PHYSICAL AND THERMAL PROPERTIES*

Density (pcf)	37 average	Thermal Conductivity, Btu-in. per sq ft per F per hr	Average
Transverse Strength (psi) (Modulus of Rupture)	800 minimum	Mean Temperature	0.71
Screw Holding Strength (lb/screw) (withdrawal load for Type A, No. 8 sheet metal screws in a No. 29 drilled hole)	100 minimum	200F	0.78
1/4" penetration	250 minimum	400F	0.82
1/2" penetration	50 minimum	600F	0.84
Durometer Hardness, units		800F	0.85
		1000F	0.85
		Dimensional Change After Retaining (%)	
		24 hours at 1100F:	0.4 maximum
		Length and Width	0.6 maximum
		Thickness	

SIZE: Nonflam 4' x 8' (47 1/2" x 95 1/4")
THICKNESSES:
1/2", 3/4", 1", 1 1/4", 1 3/4", 2"

*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.

Johns-Manville

22 East 40th Street - New York, N.Y. 10018
Sales Offices in Principal Cities



381790

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PROPERTY INFORMATION

type: Rigid Board
temp. limit: 250F

J-M TANK TOP INSUL*
rigid board insulation

DESCRIPTION: J-M Tank Top Insul is a rigid insulating material of mineral composition processed to form a lightweight, moisture-resistant board suitable for use to 250F in continuous service and 350F intermittent service where temperature and quality being stored varies constantly. A top coating provides a tough, hard surface which reduces bitumen penetration and facilitates waterproofing.

AVAILABLE FORMS: Tank Top Insul is furnished in one size, 24" wide by 48" long. Thicknesses — 1" to 3" in 1/2" increments. Supplied in tube-type Kraft paper wrap package.

USES: Tank Top Insul is ideal for insulating all flat top surfaces of heated tanks and vessels such as in petroleum, chemical, and industrial installations.

ADVANTAGES:

Permanent

Chemically inert and totally inorganic. It is sturdy, rigid and dimensionally stable.

Easy Application

Lightweight, easy to handle, easy to cut and shape on the job.

Incombustible

Because of its mineral composition, J-M Tank Top Insul is rated incombustible.

Resists Compression

Not damaged by heavy equipment and foot traffic during construction and maintenance. Tank Top Insul retains its compressive strength when heated.

Thermally Efficient

Tank Top Insul has a thermal conductivity of 0.38 Btu in. per sq ft per F at 100F mean.

Moisture Resistance

Tank Top Insul has no capillary and low water absorption.

Low Bitumen Absorption

Tank Top Insul can be waterproofed with either built-up roofing or sheet metal. It solves excessive bitumen absorption insuring good adhesion of weather proofing.

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* Johns-Manville Trade Mark

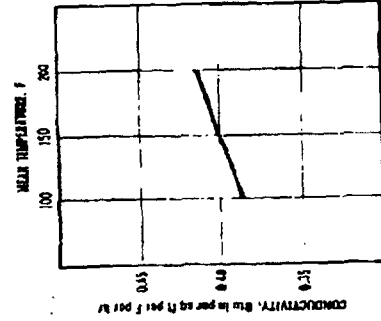
TANK TOP INSUL Specification Data

PHYSICAL PROPERTIES*

Blanch, psi	11
Compressive Strength	85 at 25 psi and
Computation	105 at 44 psi and
	85 at 175 psi and
	60
Service Windload (ft/s)	1000
Capillary	0
Water Absorption (average) - N. 100 - 1.5 percent by volume	
2400 hours service	
Temperature Limit	2500 maximum service

*The above data were obtained from tests conducted in accordance with accepted test methods and procedures in current practice. It is subject to change without notice.

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



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General Headquarters, 22 East 42nd Street, New York, N.Y. 10016
Offices in principal cities

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Made in U.S.A.

INSULATION

type: Enclosed
Blankets
temp limit: 1100F

J-M TURBINE BLANKETS enclosed mineral fiber insulation

ADVANTAGES

Removable

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

Chemically Stable

Being organic 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 tightness and shrinkage.

Field or Factory Fabricated

Each blanket made to conform to rigid specifications.

DESCRIPTION: J-M Turbine Blankets consist of a high temperature felted mineral insulation fully enclosed in a wire leashed asbestos cloth for temperature exposure to 1500F, or a asbestos seal mesh for temperatures from 1500F to 1700F. The density and thickness of the felt are uniform to assure full insulating value.

AVAILABLE FORMS: Field-fabricated by authorized contractors to accurately fit areas to be insulated in sizes and shapes according to contour of surfaces. Available also directly from J-M per blueprint. See service data 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, flange flanges and valve bonnets.

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