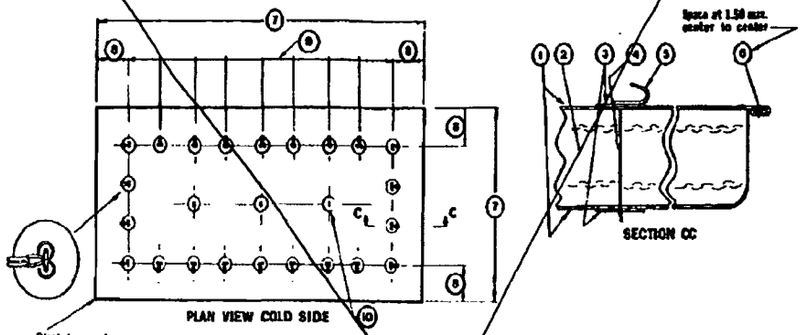
TURBINE BLANKET Specification Data

TYPICAL CONSTRUCTION DETAILS



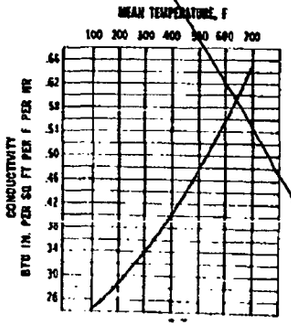
NOTES

1. Wire inserted asbestos cloth or stainless steel mesh.
2. Mineral fiber felt insulation.
3. Tufting.
4. Monel 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. Tufting with hooks equally spaced apart from 4" to 6".
10. Tufting 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	1½"
450 to 650	None	2"
650 to 850	None	3"
850 to 1000	2"	2"
1000 to 1100	2½"	2"

THERMAL CONDUCTIVITY



Johns-Manville

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

Sales offices in principal cities

H-512A 2-67

473581

Litho in U.S.A.

Johns-Manville

INSULATION

PRODUCT INFORMATION

type: Rigid Board
temp limit: 400F



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 400F. A top coating provides a tough, hard surface which reduces bitumen penetration and facilitates weatherproofing.

AVAILABLE FORMS: Tank Top Insul is furnished in one size, 24" wide by 48" long. Thicknesses — 1" to 3" in ½" 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 basically 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 will not burn.

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 hr per F at 100F mean.

Moisture Resistance

Tank Top Insul has no capillarity and low water absorption.

Low Bitumen Absorption

Tank Top Insul can be weatherproofed with either built-up roofing or sheet metal. It resists excessive bitumen absorption insuring good adhesion of weatherproofing.

* Johns-Manville Trade Mark

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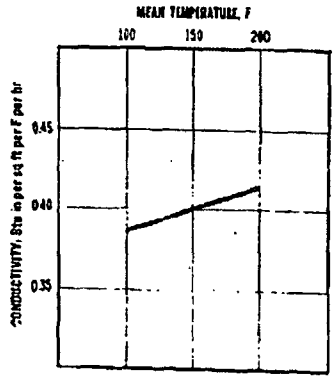
PLAINTIFF'S EXHIBIT JM-2397

TANK TOP INSUL
Specification Data

PHYSICAL PROPERTIES

Density, pcf	11
Compressive Strength	
Consolidation	5% at 28 psi load
	10% at 44 psi load
	50% at 175 psi load
Capillarity	0
Water Absorption submerged – 24 hrs – 5.0 percent by volume	
Temperature Limit	400F

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



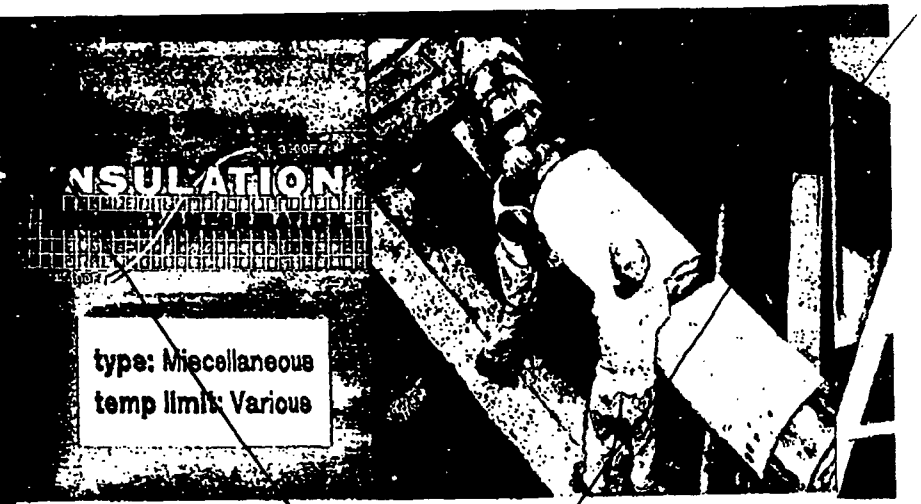
Johns-Manville

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

Offices in principal cities

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Litho in U.S.A.



J-M MISCELLANEOUS INSULATIONS

Insulation	Description	Use	Temp. Limit	Standard Sizes
Asbestos Roll Fire-Felt®	A soft, flexible asbestos felt in roll form.	To insulate heated surfaces where space does not permit thicker or more rigid materials.	1000F	Standard rolls contain 100 sq ft; 36" wide; 1/16", 1/8", 1/4" and 1/2" thick.
Asbestos Cloth Blankets	Asbestos cloth envelope filled with asbestos fibers; wire tufted.	To insulate irregular surfaces where insulation must be readily removable.	850F	Made to order in 1½", 2" and 2½" thicknesses; may be used in double-layer combinations through 4½" thickness.
Fibrous Adhesive	A strong silicate soda and asbestos fiber cement. Easily applied and quick drying.	For bonding insulation to brick, concrete, metal or other surfaces as well as for bonding prefab fittings.	500F	Standard drums (lbs): 12, 60, 75, 175, 350 and 600. 12 lbs to a gal.
Ceilinite®	Made from Asbestos Roll Fire-Felt, reinforced on one side with asbestos cloth.	For an interlining in steel cars, in fireproofing electrical apparatus and for similar services.	1000F	Standard rolls contain 100 sq ft, 1/8" and 1/4" thick; in strips 1" to less than 6" wide by 15' long.

MISCELLANEOUS ACCESSORIES

Lagging Wire – For securing pipe and block insulations in place. Available in iron (16 gauge) and soft annealed galvanized steel (16 gauge W and M); 96 ft per lb.

Lyptite® – An asphaltic cement used for sealing the laps of weatherproof insulation jackets. Available in 1 and 5 gallon containers.

Pipe Insulation Bands – White lacquered. Used for banding all pipe insulations. Available up to 83" long, ¾" wide.

Galvanized Wire Mesh – Used as a reinforcement for cements and weatherproofing. Available in 1" and 2" hexagonal shape. Standard rolls are 150 feet long and either 36" or 48" wide.

Canvas – Available in 5 oz, 6 oz and 8 oz weights in addition to standard canvas: 37" wide. The 8 oz size is also produced in 72" width.

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