

IN-284A B 70

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IN-281A 5-70

MADE IN U.S.A.



Johns-Manville

22 East 40th Street • New York, N. Y. 10018

Sales Offices in Principal Cities

type: Sheet

temp limit: 1200F

J-M ASBESTOS MILLBOARD insulating sheet material

DESCRIPTION: Johns-Manville Asbestos Millboard is a dense, rigid sheet or board material formed of asbestos fibers and a small amount of binder. A natural light gray in color, Millboard sheets are furnished in standard sizes of 42" x 48", in thicknesses ranging from 1/32" to 1/2". Cut pieces can also be supplied.

AVAILABLE FORMS

No. 106 Millboard—A general purpose, high utility millboard suitable for most uses. It will withstand temperatures to 800F.

No. 102 Millboard—A higher quality millboard than No. 106. Will withstand temperatures to 1000F.

No. 219 Millboard—This is a premium grade millboard, specially treated for greater strength. Suitable for temperatures to 1100F. It can be used up to 1800F where some loss of strength is not detrimental.

C Grade Millboard—This millboard contains an especially long grade of asbestos fiber. It is suitable for temperatures to 1200F; embrittlement occurs above this limit. Where brittleness is not objectionable, may be used at temperatures up to 1800F.

XXX Millboard—This millboard is isotropically bonded. It is suitable for applications where organic matter cannot be tolerated.

Silicated Millboard—All grades of millboard can be specially treated to increase surface hardness. Where such sheets are required, the word "silicated" should appear on the order before the millboard type. Weight of Silicated Millboard is approximately 5% higher than for unsilicated.

Special—Millboards for special purposes can be tailored to service requirements.

USES: J-M Asbestos Millboard is recommended for applications which require a sheet or board insulation for protection against fire, heat, acid fumes, etc. Frequently used as a fire-resistant lining for floors, partitions, ceilings, stoves and guides. It has been found particularly valuable in the steel industry where literally scores of uses have been discovered for this versatile material.

ADVANTAGES

Versatile

Adapted to literally scores of industrial applications.

Fireproof

Made of asbestos, the world's most famous fireproof material.

ASBESTOS MILLBOARD

THICKNESSES, TOLERANCES AND WEIGHTS.

THERMAL CONDUCTIVITY

Treatment Material Mean $\bar{x}$	Line for $\bar{x} \pm 1.96 \sigma$				SD
	$\bar{x} - 1.96 \sigma$	$\bar{x}$	$\bar{x} + 1.96 \sigma$	$\pm 1.96 \sigma$	
0.007	2.1	7.5	12.9	2.9	22
0.008	3.2	8.6	14.0	3.1	23
0.008	4.3	9.8	15.1	3.2	23
0.008	5.4	10.9	16.2	3.1	24
0.009	6.4	12.0	17.3	3.2	25
0.004	8.8	14.2	19.6	5.4	35
0.015	10.8	16.2	20.1	4.7	19
0.016	12.8	17.0	21.2	4.7	19
0.015	14.3	18.3	22.3	4.0	18
0.009	16.6	19.5	22.7	3.6	17
0.021	18.6	21.5	23.4	1.4	11
0.021	20.6	23.5	24.6	2.0	21
0.015	22.7	25.3	26.8	2.1	24

The thermal conductivity for these materials is in the range of 1 Btu/ft² per degree food per ft per hour.

The above items are being turned over to the appropriate agencies as indicated above. A copy of this report will be furnished to the appropriate agencies for their information.

received by 1945 as well as the previous party.



Johns-Manville

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

LA-284 1170

WASH DC

351649

059183

J-M NO. 1000 SERIES SPIN-GLAS® BLANKETS
glass fiber insulation

DESCRIPTION: A high temperature fibreglass spun glass 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 cloth in the standard blanket is 3 lbs per cubic foot.

AVAILABLE FORMS:

No. 1001 Spin-Glass Blanket Fiber - without tuft or mesh. Primarily indicated for field fabrication of a mesh-faced or otherwise supported blanket insulation.

No. 1020-1" vulcanized wire mesh on both sides.

No. 1120-C copper-bearing metal lath (also known as barbed-wire mesh) on one side, 1" galvanized wire mesh other side. Copper-bearing metal lath weighs approximately 2.5 lbs per sq yd with $\pm 1\%$ between diamond centers. Diamond mesh lath (which can be substituted when copper-bearing metal lath is not available) weighs approximately 2.5 lbs per sq yd with $\pm 1\%$ between diamond centers.

No. 120 - Same as No. 1120 except copper-bearing metal bath on both sides.

No. 1320-1/2" rim both one side, and 1" galvanized wire mesh other side. With both weights approximately 3.0 lbs. per sq. yd.

Power, Inc.

No. 1320-A-Same as No. 1320 except ribs are turned out to provide an air space, desired in some applications.

No. 1420 — $\frac{3}{8}$ " rib both one side, and copper-bearing metal both other side. (Diamond mesh both sides.)

No. 1420-A-Same as No. 1420 except ribs are turned
out to provide an air space, desired in some
applications.

NOTE. Under each style number, the first marked fabric listed is the slide on which the slaps are marked when the marked ends are projected to and along the side.

■ USES: Where the convenience of a flexible insulation, plus excellent thermal efficiency, is desired, No. 1000 Series Spin-Clas Blankets offer the highest quality high temperature fiber glass product available today. This insulation is used for industrial baking ovens, dryers, ducts and breechings, and similar equipment. These blankets are adaptable to flat or curved surfaces and do not break in handling. They are readily cut on the job to fit around obstructions and irregular equipment, and may be used under normal conditions, where material is properly supported and contained, for temperatures to 1000°/2.

LA-184 1170

WASH DC