THERMOBESTOS® PIPE INSULATION WITH METAL-ON® JACKETS

PACKAGING AND SHIPPING DATA

IN-13:15 NEW
EFFECTIVE: 7-1-70 & 1-1-71

THERMOBESTOS® PIPE INSULATION WITH METAL-ON® JACKET (with separately packaged Snap Straps*)

PIPE SIZE INCHES	1" THICK			1½" THICK			2" THICK			2½" THICK			3" THICK			3½" THICK			4" THICK		
	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.	Load Factor**	Lin. Ft./ Ctn.	lbs./ Ctn.
½	.266	72	70	.275	36	63	.404	36	64	.309	18	56	.451	18	70						
¾	.266	72	70	.275	36	63	.404	36	64	.309	18	57	.451	18	70						
1	.326	60	69	.326	36	65	.326	27	63	.309	18	60	.451	18	70	.359	12	63	.420	9	63
1¼	.326	60	69	.404	36	70	.326	27	63	.309	18	64	.451	18	70	.359	12	63	.420	9	68
1½	.275	36	56	.404	36	70	.309	18	66	.451	18	70	.359	12	66	.420	9	70	.326	6	52
2	.326	36	60	.326	27	70	.309	18	66	.451	18	70	.359	12	66	.420	9	70	.326	6	52
2½	.404	36	66	.309	18	59	.451	18	70	.326	12	68	.420	9	68	.515	9	68	.326	6	58
3	.439	36	68	.309	18	59	.451	18	70	.359	12	70	.420	9	68	.515	9	68	.326	6	61
3½	.420	24	70	.451	18	65	.309	12	64	.420	9	60	.515	9	62	.326	6	50	.420	6	63
4	.420	24	70	.451	18	65	.359	12	64	.420	9	68	.515	9	62	.326	6	58	.420	6	65
4½	.420	18	69	.326	12	60	.447	12	68	.515	9	66	.326	6	58	.420	6	54	.451	6	67
5	.420	18	60	.359	12	60	.447	12	68	.515	9	66	.326	6	54	.420	6	54	.451	6	69
6	.558	18	66	.447	12	68	.538	12	70	.326	6	56	.420	6	57	.451	6	69	.515	6	71
7				.538	12	68	.638	12	78	.420	6	58	.451	6	61	.515	6	70	.326	3	52
8				.638	12	82	.420	6	58	.451	6	60	.515	6	65	.326	3	50	.326	3	54
9				.420	6	65	.451	6	56	.515	6	66	.583	6	70	.326	3	52	.359	3	58
10				.451	6	50	.515	6	58	.583	6	70	.326	3	38	.359	3	54	.404	3	60
11				.515	6	54	.583	6	59	.326	3	43	.359	3	42	.404	3	55	.447	3	62
12				.583	6	58	.326	3	38	.359	3	45	.404	3	46	.447	3	58	.492	3	64
14				.326	3	26	.359	3	43	.404	3	46	.447	3	52	.492	3	60	.538	3	67
15				.359	3	27	.404	3	43	.447	3	47	.492	3	56	.538	3	62	.587	3	70
16				.404	3	30	.447	3	44	.492	3	48	.538	3	56	.587	3	63	.638	3	73
17				.447	3	38	.492	3	45	.538	3	49	.587	3	58	.638	3	66	.691	3	75
18				.492	3	40	.538	3	46	.587	3	51	.638	3	61	.691	3	68	.747	3	78
19							.587	3	47	.638	3	52	.691	3	63	.747	3	70	.799	3	80
20							.638	3	48	.691	3	54	.747	3	65	.797	3	71	.866	3	82
21							.691	3	48	.747	3	56	.797	3	67						
22							.747	3	49	.797	3	58	.866	3	70						
23							.797	3	50	.866	3	61									
24							.866	3	52												

*Metal-On® Snap Straps will be packaged to order in #573 and #613 plain cartons according to size and quantity on the order. Carton dimensions ARE: #573 – 14" x 14" x 14"
#84 – 18" x 18" x 6"
#613 – 21½" x 21½" x 12¾"

METHOD OF SHIPMENT	LOAD FACTORS **
40 FT. CL	155%
50 FT. CL	200%
40 FT. TL	100%

Johns-Manville

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

Sales Offices in Principal Cities

384723

JOHNS-MANVILLE INDUSTRIAL INSULATIONS DIVISION

NO. 1000 SERIES SPIN-GLAS®

BOARD AND BLANKETS

PRICE SCHEDULE

IN-1E:1:0
EFFECTIVE: 7-1-70
CANCELS: IN-1E:1:0, 6-1-69

ALL OTHER ACCOUNTS

NOTES

GENERAL PRODUCT DESCRIPTION

No 1000 Series Spin-Glas® Blankets

NBR. 1020 – 1" wire mesh both sides.
NBR. 1120 – 1" wire mesh one side, metal lath other side.
NBR. 1220 – metal lath both sides.
NBR. 1320 – 1" wire mesh one side, 3/8" rib lath other side. Has lath ribs in.
NBR. 1320A – 1" wire mesh one side, 3/8" rib lath other side. Has lath ribs out.
NBR. 1420 – metal lath one side, 3/8" rib lath other side. Has lath ribs in.
NBR. 1420A – metal lath one side, 3/8" rib lath other side. Has rib lath out.

NOTE: The twisted ends of wire staples are located on the metal lath side of Nbr. 1120 and the rib lath side of Nbr. 1320 and 1420. If twisted ends must be located on the opposite side, order must so state.

No. 1000 Spin-Glas® Board
A semi-rigid board.

No. 1001 Spin-Glas® Blanket Filler
A more flexible material.

SHIPPING POINT

Richmond, Indiana

FREIGHT TERMS

FOB Shipping Point.

CL shipments—freight allowed on seller's routing to nearest rail siding to any point in continental U.S., excluding Alaska.

TL shipments—freight allowed within free trucking zones (IN-18:0 series, 7-1-70), outside free truck zones – freight allowance will be the lesser of: (a) Actual T/L freight or (b) 65% of min. CL freight. If actual TL freight is more than the 65% allowance, the difference will be prepaid and charged.

LTL shipments—freight prepaid and charged.

TERMS OF PAYMENT

1% 10th prox; net 30th prox.

VARIABLE ITEM

All CL and TL orders must note item(s) which can be increased or decreased for full CL or TL shipment. If not noted J-M reserves the right to increase or decrease at their option. Does not pertain to jobsite shipments. (See IN-18:0 series, 7-1-70)

MINIMUM BILLING

$100.00 (Does not pertain to jobsite shipments)

YOUR ATTENTION IS DIRECTED TO THE TERMS AND CONDITIONS OF SALE IN-1 AND IN-1:1 WHICH IS PART OF THIS PRICE PAGE.

384724

PLAINTIFF'S EXHIBIT JM-2322

NO. 1000 SERIES SPIN-GLAS®

IN 16:2
EFFECTIVE 7-1-70
CANCELS: IN-16:2, 9-1-68

BOARD AND BLANKETS

ALL OTHER ACCOUNTS

NET PRICE SCHEDULE

NO. 1000 SERIES SPIN-GLAS BLANKETS

Net Price Per Square Foot – CL, TL & LCL					
THICKNESS IN INCHES	NO. 1020	NO. 1120	NO. 1220	NO. 1320 or NO. 1320A	NO. 1420 or NO. 1420A
1	$.28	$.32	$.38	$.39	$.43
1½	.36	.43	.48	.45	.50
2	.43	.50	.53	.50	.57
2½	.50	.57	.60	.57	.64
3	.57	.64	.67	.64	.71
3½	.62	.70	.73	.70	.77
4	.67	.75	.78	.75	.82
4½	.73	.80	.84	.80	.87
5	.78	.85	.89	.85	.92
5½	.84	.91	.94	.91	.98
6	.89	.96	.99	.96	1.03

NOTE: Prices are NET per sq. ft. and are based on and include cartons.

No allowance for oumission For thickness of less than 1" use 1" thick price.

Carload definition for pricing purpose only see IN-3:1

In computing area of blankets for insulating curred surfaces use outside diameter of equipment plus insulation (ie: Tank 20' in diameter with 4" thickness of insulation, use 20' 8" as diameter of equipment to be covered)

NO. 1000 SPIN-GLAS BOARD
NO. 1001 SPIN-GLAS BLANKET FILLER

Net Price Per Board Foot – CL, TL & LCL*	
CARTONS	PAPER PACKAGES
$ .085	$ .080

*LCL – LTL quanties are shipped in cartons only and price includes cartons.

SPECIAL NOTES – No. 1000 Spin Glas Board is a semi-rigid board. When paper packages or bundles are specified on CL or TL shipments only, they will be shipped in open end tubes of 50 lb double wall, flame resistant, kraft paper If totally enclosed packages or bundles with ends taped are required, it must be specified on the order.

No. 1001 Spin-Glas Blanket Filler is a more flexible material intended for use in fabricating metal mesh enclosed blankets in the field. It is only available packaged in cartons.

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NO. 1000 SPIN-GLAS BLANKETS

STANDARD PACKAGING NOTES

IN-16:3
EFFECTIVE: 7-1-70
CANCELS: IN-16:2A, 9-1-68

THICKNESS IN INCHES	NO. 1020				NO. 1120				NO. 1220				NO. 1320			
	24" x 48"		24" x 96"		24" x 48"		24" x 96"		24" x 48"		24" x 96"		24" x 48"		24" x 96"	
	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.
1	144	99	192	97	144	96	192	134	144	124	178	188	144	106	192	140
1½	96	61	128	86	96	70	128	111	96	97	128	139	96	84	128	118
2	72	56	96	81	72	76	96	99	72	94	96	132	72	78	96	104
2½	64	58	90	81	64	70	90	98	64	83	89	117	66	76	90	107
3	48	52	64	75	48	61	64	87	48	71	64	103	48	64	64	91
3½	40	51	48	65	40	59	48	75	40	66	48	89	48	61	48	78
4	40	54	48	72	40	62	48	81	40	68	48	91	40	64	48	84
4½	32	50	48	78	32	56	48	87	32	62	48	97	32	57	48	90
5	32	53	32	61	32	59	32	67	32	66	32	73	32	60	32	68
5½	24	45	32	65	24	50	32	73	24	64	32	79	24	64	32	74
6	24	48	32	68	24	53	32	76	24	67	32	82	24	64	32	77

THICKNESS IN INCHES	NO. 1320A				NO. 1420				NO. 1420A			
	24" x 48"		24" x 96"		24" x 48"		24" x 96"		24" x 48"		24" x 96"	
	Sq Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.	Sq.Ft./ Ctn.	Lbs./ Ctn.
1	128	95	180	122	144	132	178	188	128	110	180	153
1½	88	78	128	118	96	103	126	142	88	97	128	142
2	72	74	80	89	72	86	96	123	72	88	80	104
2½	56	67	64	82	64	86	80	116	56	76	64	96
3	48	64	64	91	48	73	64	103	48	82	64	103
3½	40	61	48	78	40	68	48	87	48	68	48	87
4	40	64	48	84	40	71	48	83	32	81	48	83
4½	32	57	32	65	32	64	32	72	32	64	32	72
5	32	60	32	68	32	67	32	76	24	53	32	76
5½	24	51	32	74	24	58	32	81	24	66	32	81
6	24	54	32	72	24	59	32	84	24	56	32	84

CARTON DIMENSIONS: 24" x 48" BLANKETS – 24" x 48" x 28"
24" x 96" BLANKETS – 24" x 96" x 16"

NOTE: 1¼" & 1¾" THICKNESSES ARE PACKED AS NEXT LARGER SIZE.

STANDARD SIZES
3' x 4' & 3' x 8'

SPECIAL SIZES

AVAILABLE UP TO THE MAX. SHOWN BELOW PROVIDED NO DIMENSION IS LESS THAN 6" NOR AREA LESS THAN 2 SQ. FT. OR ANY BLANKET HAVING CUTOUTS EITHER ON THE EDGE OR INTERIOR OF THE BLANKET; PLACE SPPI ON FACTORY.

MAXIMUM SIZES FOR VARIOUS TYPES OF METAL FABRIC:

Width – 48" Length – 96" for expanded metal lath 120" for 1" wire mesh

EXTRA CHARGES: IF CRATING IS DESIRED PLACE SPPI ON FACTORY.

384726

NO. 1000 SPIN-GLAS® BOARD
NO. 1001 SPIN-GLAS® BLANKET FILLER
STANDARD PACKAGING NOTES

IN-15:3
EFFECTIVE: 7-1-70
CANCELS: IN-15:3, 6-1-69

NO. OF PIECES PER

THICKNESS	24" X 24"		24" X 36"		24" X 48"		24" X 96"	
	CARTON	PAPER* PACKAGE	CARTON	PAPER* PACKAGE	CARTON	PAPER* PACKAGE	CARTON	PAPER* PACKAGE
1	48	40	24	20	24	20	12	-
1½	32	28	16	14	16	14	8	-
2	24	20	12	10	12	10	6	-
2½	20	16	10	8	10	8	5	-
3	16	14	8	7	8	7	4	-
3½	14	12	7	6	7	6	3	-
4	12	10	6	5	6	5	3	-
4½	10	-	5	-	5	-	2	-
5	10	-	5	-	5	-	2	-
5½	8	-	4	-	4	-	2	-
6	8	-	4	-	4	-	2	-

* BOARD ONLY

LENGTH AND WIDTH		CARTON SIZES
24" X 24"	-	48" X 24" X 28"
24" X 36"	-	36" X 24" X 24"
24" X 48"	-	48" X 24" X 24"
24" X 96"	-	96" X 24" X 16"

DENSITIES AND WEIGHTS - NOMINAL DENSITY - 3 LBS./CU. FT.
APPROXIMATE SHIPPING WEIGHTS - 3.2 LBS./CU. FT. IN CARTONS
3.0 LBS./CU. FT. IN PAPER TUBES

STANDARD SIZES

NO. 1000 SERIES SPIN-GLAS® BOARD

Thickness - 1" to 8" (above 4" will be plied in ½" increments)
Width - 24"
Length - 24", 36", 48"

NO. 1001 SPIN-GLAS® BLANKET FILLER

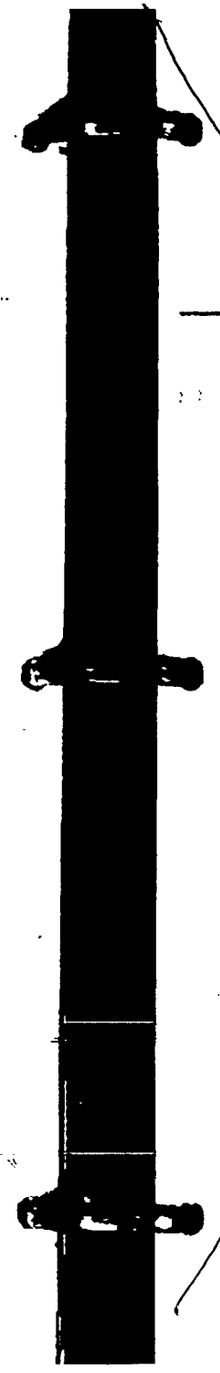
Thickness - 1" to 6" (above will be plied).
Width - 24"
Length - 24" X 48" or 96"
Contact factory for availability of non-standard sizes and submit SPPI for pricing.

CARLOAD AND TRUCKLOAD DEFINITION FOR PRICING PURPOSES ONLY:			
MBM	50' CAR	40' CAR	48' TRUCK
PAPER TUBES	45 MBM	36 MBM	21 MBM
CARTON	42 MBM	33 MBM	16 MBM

Shipments to States of Arizona, Calif., Idaho, Nevada, Oregon, Utah and Washington will be in 50 ft. cars.
Contact Richmond Traffic Dept. for States of Colorado, Texas, New Mexico and Wyoming.
Shipments to Balance of Continental U.S. are in 40 ft. cars.

Johns-Manville
22 East 40th Street • New York, N.Y. 10016

384727



JOHNS-MANVILLE INDUSTRIAL INSULATIONS DIVISION

NO. 1000 SERIES SPIN-GLAS®
BOARD AND BLANKETS
PRICE SCHEDULE

IN-15
EFFECTIVE: 7-1-70
CANCELS: IN-15, 6-1-68

M-1, M-2, E AND B-1 ACCOUNTS

NOTES

GENERAL PRODUCT DESCRIPTIONS

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NBR. 1120 – 1" wire mesh one side, metal lath other side.
NBR. 1220 – metal lath both sides.
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NBR. 1320A – 1" wire mesh one side, 3/8" rib lath other side. Has lath ribs out.
NBR. 1420 – metal lath one side, 3/8" rib lath other side. Has lath ribs in.
NBR. 1420A – metal lath one side, 3/8" rib lath other side. Has rib lath out.

NOTE: The twisted ends of wire staples are located on the metal lath side of Nbr. 1120 and the rib lath side of Nbr. 1320 and 1420. If twisted ends must be located on the opposite side, order must so state.

No. 1000 Spin-Glas® Board
A semi-rigid board.

No. 1001 Spin-Glas® Blanket Filler
A more flexible material.

TERMS OF PAYMENT

2% 10th prox; Net 30th prox;

MINIMUM BILLING

$100.00 (Does not pertain to jobsite shipments)

SHIPPING POINT

Richmond, Indiana

FREIGHT TERMS

FOB Shipping Point.

CL shipments–freight allowed on setter's routing to near... rail siding to any point in continental U.S., excluding Ala...

TL shipments–freight allowed within free trucking zo... (IN-18:0 series, 7-1-70), outside free truck zones – fre... allowance will be the lesser of: (a) Actual T/L freight ... (b) 65% of min. CL freight. If actual TL freight is m... than the 65% allowance, the difference will be prepaid ... charged.

LTL shipments–freight prepaid and charged.

VARIABLE ITEM

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YOUR ATTENTION IS DIRECTED TO THE TERMS AND CONDITIONS OF SALE IN-1 AND IN-1.1 WHICH IS PART OF THIS PRICE PAGE.

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