FILE NAME: Johns-Manville (JMA)

DATE: 1971-1972

DOC#: JMA252

DOCUMENT DESCRIPTION: Various Documents RE Product Warning Labeling

Notice

INDUSTRIAL INSULATIONS DIVISION

NASHUS PLANT
R.K. HOAGLAND
821

January 4, 1971

Health Hazard Caution Warning Labels

Caution warnings are to be applied to certain packages and products that are sold by IID and that contain asbestos fiber and free crystalline silica. Caution warnings now in existence on some printed cartons and bags are to be revised. New caution labels are to be affixed to unprinted cartons and bags and in some instances to the product itself where health hazards may exist.

The new caution warnings have been developed and have Division, Environmental Control, and Industrial Relations and Legal Department approval.

At such time as the Corporate label revision program is put into effect in IID, the new caution warnings will be included in the revised printed product labels. Until this is done, the caution label must be a separate label.

The attached revised sheets show the layout of the labels being used and a listing of those products which will carry such warning labels in 1971.

All products will carry label L-4955 except those preceeded with an asterisk (*), which will use label L-4956.

M. W. Burleson
General Manager

TO: 761-A
109
1055
J. B. Jobe
H. B. Moreno
H. M. Ball

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JM - 83

Copies dw 1/11 to JTJ LWS LGG RLH RMS ORIG

Health Hazard Caution Warning Labels
I.I.D. Products

Billerica Plant

Imperial Marinite	Molten Metal Marinite - S.G. & Reg.
Marinite 23	H.T. MMM - S.G. & Reg.
Marinite 36	Pallite
Marinite 65	Marimet 45
Veneered Marinite	Reeferite

Waukegan Plant

Commercial Grade Asbestos Paper
Non-Burn Asbestos Paper
Asbestos Welding Paper
* Superex Block & Cement
Millboard: 102, 106, 219, C, XXX, Type A, 106-B, 106-H
Cements: 352, 450 and 500

Manville Plant

Min-K - 500	Long Fiber Asbestos Paper
Min-K - 1301	Doublex Asbestos Paper
Min-K - 2000	Non-Burn Asbestos Paper
Min-Klad	Ceilinite
Std. Flexible Min-K	Asbestos Roll Firefelt
H.T. Flexible Min-K	Asbestos Welding Paper
Flexible Min-K Tape	Armaturo Asbestos Paper
Niagrite	Asbestos Firetard
Commercial Asbestos Paper	Thermobestos P/I, Block & Elbows
Fibroid Asbestos Paper	

Long Beach Plant

Thermobestos P/I, Blocks

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Research

Thermomix Compounds

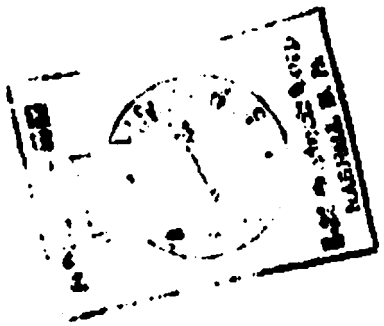
- Over -

Pittsburg Plant

Commercial Grade Asbestos Paper
Fibroid Asbestos Paper

Nashua Plant

Marine Veneer
Dekeran
Transite Core Plate
Perforated Colored Marine Veneer
Flexboard B
Perforated Marine Veneer
Colored Marine Veneer



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#16 2 P.F

Transits, Labeling (cont.)

Box 17 - PF21

Transatoys Specification

Nashua Plant
September 21, 1972

C. L. Antonson - DHQ Denver

cc:
R. K. Hoagland - Nashua
File

CAUTION LABELS

Proposed

Attached is a listing of the Nashua products and the frequency of use of the caution labels according to the type of label.

It is suggested that in the case of FLEXBOARD where a U.L. label is affixed to the sheet that the caution message be made part of this label. This could result in lower label and labor costs.

In the case of Industrial Insulations Division products, instructions are to include one label per sheet. Our proposal would be one label per five sheets as all of the products involved go directly to the installer, except in the case of Core Plate sheets which are cut by a fabricator into plates and then shipped to the foundries. I assume it is the responsibility of IID as to how plates from cutters are to be handled.

You mentioned that there could be some objection to loose inserts and that a printed message on the back of the sheet would be preferable. Considerable work would have to be done at the plant to automate such printing. Hand printing could be costly.

We will await your instructions as to any changes in the use of caution labels.

E. E. GOVONI

Attachments

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10-11-72

Jerry - Please handle and report the closing

Compliment

Marion

DHQ, Denver
A & EP Division
September 29, 1972

E. C. Truax - DVR
N. J. Gray - DVR
S. Lane - DVR
D. L. Carpenter - DVR
R. L. Smith - DVR
R. H. Neisel - DVR
C. P. Weber - DVR
J. V. Magee - DVR
D. B. Wingerter - DVR
C. V. French - DVR
E. M. Fenner - DVR
A. C. Pennewell - Pittsburg
R. K. Keagland - Nashua
C. R. Wikel - Waukegan
W. B. Peitze - DVR
J. J. Attridge - DVR
G-60-16

CAUTION LABELS
LIN-4955 A

The subject of caution labels,

CAUTION
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
BREATHING ASBESTOS DUST MAY
CAUSE SERIOUS BODILY HARM

has been reviewed with personnel of GHQ and the various divisions involved. The following procedure has been agreed to by telephone and personal contact. The procedure specifies the plant, product, and frequency of caution statement application.

The procedure should be put into effect as quickly as possible. Each plant should advise the copy holder of this letter when their plant complies with the procedure.

Nashua Plant should supply the Waukegan Plant with sufficient loose inserts to get them started.

C. L. Antonson is working with the Nashua Plant and R. H. Neisel to obtain U.L. approval to add the caution statement to their label.

C. L. Antonson
CLA/sea

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Nashua Plant
September 29, 1972

STAMPED ON PAPER INTERLEAVE

PRODUCT	FREQUENCY
COLORLITH	1/1
COLORLITH (Recoverable Area)	1/1
CHEMSTONE #2 Finish	1/1
CHALKBOARD	1/1
COLORCERAN	1/1
ARMOR-ON	1/1
Asbestos EBONY	1/1
OHMSTONE	1/1
Polished TRANSITE	1/1

GUMMED LABELS (4855A or LIN4855A)

PRODUCT	FREQUENCY
FLEXBOARD*	1/5
FLEXBOARD "B"*	1/1

IID PRODUCTS

MARINE VENEER	1/5
CMV	1/5
Perforated MARINE VENEER	1/5
Perforated CMV	1/5
MARINE Acoustical Units	1/5
DEKERAN	1/5
CORE PLATE (Sheets)	1/1
CORE PLATE (Plates)	1/1

* C. L. Antonsen will request R. H. Neisel to obtain UL approval to add statement to the UL label

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Nashua Plant
September 29, 1972

LOOSE INSERTS

PRODUCT	FREQUENCY
TRANSITE - 1/4 Through 7/8"	1/5
TRANSITE - 1 2"	1/2
TRANSITE - Over 2"	1/1
Steam Cured TRANSITE	1/5
CHEMSTONE #1 Finish	1/5
STONEHENGE	1/5
QUADRO	1/5
VENETIA	1/5
Moulded EBONY	2/Package
Moulded ELECTROBESTOS	2/Package
Cut Sheets All Products	1/5
Machined Products	2/Package
ELECTROBESTOS Sheets	1/2
TRANSITE Acoustical Panels	1/5
Perforated FLEXBOARD and PEGBOARD	1/5

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Waukegan Plant
September 29, 1972

PRINT ON BACK OF PRODUCT

PRODUCT	FREQUENCY
FLEXBOARD 1/8" 3/16"	1/2
FLEXBOARD 1/4"	1/1
PERMATONE S	1/2

PRODUCT	
SPLITWOOD	1/5

Pittsburg Plant

PRINT ON BACK OF PRODUCT

PRODUCT	
FLEXBOARD 1/8" 3/16"	1/2
FLEXBOARD 1/4"	1/2

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JM - 83

Johns-Manville	PRODUCT:	DIVISION	BMM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	1 of 12

I. MANUFACTURING POINTS

Waukegan

II. PRODUCTS

X	Standard Flexboard	
	Asbestoboard	Permatone S Flexboard
X	Painted Flexboard	
	Steam Cured Flexboard	Transitop
	Architectural Panels	Thermocore
	Marine Veneer - Natural Gray	Transifoam
		Primed Flexboard

III. PACKAGING

	Spec No.	Mode of Shipment*	Product
	U	T/L - C/L - W/C	Standard Flexboard
			Asbestoboard
			Steam Cured Flexboard
X			Marine Veneer - Natural Gray
X			
X			
	P	LTL	Standard Flexboard
			Asbestoboard
			Steam Cured Flexboard
X			Marine Veneer - Natural Gray
X	P	LTL - T/L - C/L - W/C	Transitop & Thermocore
	P	T/L - C/L - W/C	Permatone S Flexboard
X			
			Painted Flexboard
			Primed Flexboard
X	P1	LTL - T/L - C/L - W/C	Transifoam
	P3	T/L - C/L - W/C	1/4" Architectural Panels
			1/8" Rentone Panels
	R	LTL	Permatone S Flexboard
X			
			Painted Flexboard
			Primed Flexboard
	RA	LTL	Architectural Panels

PRODUCED JM - 83

PRODUCED JM - 83

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

X – INDICATES CHANGE	Revision
AUTHORITY FOR CHANGE	M. A. Baloga
SUPERSEDES: All Previous issues of same spec	DATE ISSUED: 3/5/79

CONFIDENTIAL – FOR IN-HOUSE USE ONLY

III. PACKAGING: (Cont'd)

Spec. No.	Mode of Shipment*	Product
L	T/L - C/L - W/C	Sheets for Laminator and Door Accounts
S	All	All products - Solid crate for domestic and export shipments.

*T/L - Truck Load
C/L - Car Load
W/C - Will Call
LTL - Less Truck Load

IV. LABELING

X A. Asbestos Caution Labels

1. One (1) Caution Label, No. LIN-4955E, shall be affixed to the back of each sheet in the load of material or the label wording, as shown below, shall be stenciled on the back of each sheet.

2. The same Caution information shall be affixed, either labeled or stenciled, on the top of each load shipped.

CAUTION

CONTAINS ASBESTOS FIBERS

AVOID CREATING DUST

DUST MAY CAUSE SERIOUS

BODILY HARM

SMOKING GREATLY INCREASES

THE RISK OF SERIOUS BODILY HARM

THE ASBESTOS FIBERS IN THIS PRODUCT ARE "LOCKED-IN" THE CEMENT MATRIX, AND ARE RELEASED ONLY DURING FABRICATING OPERATIONS. FABRICATE USING RECOMMENDED WORK PRACTICES.

PRODUCED JM - 83

B. Architectural Panels

One label on the top of each load, under the plastic film reading as follows:

CAUTION! Store under cover in a clean, dry place. If this material is to be stored for more than one week, open ends of plastic film and cover bundles with canvas tarp.

III. PACKAGING (Cont'd)

Spec No.	Mode of Shipment*	Product
L	T/L - C/L - W/C	Sheets for Laminator and Door Accounts
S	All	All products - Solid crate for domestic and export shipments

* T/L - Truck Load
C/L - Car Load
W/C - Will Call
LTL - Less Truck Load

CANCELLED 12/14/76

IV. LABELING

A. Asbestos Caution Labels

1. A minimum of one (1) CAUTION label will be inserted into each load of material shipped.

2. The same CAUTION information will be stenciled on the top of each load shipped.

B. Architectural Panels

One label on the top of each load, under the plastic film, reading as follows:

"CAUTION! Store under cover in a clean, dry place. If this material is to be stored for more than one week, remove plastic film and cover bundles with canvas tarp."

REVISED JM - 83

Q.A. DEPT.

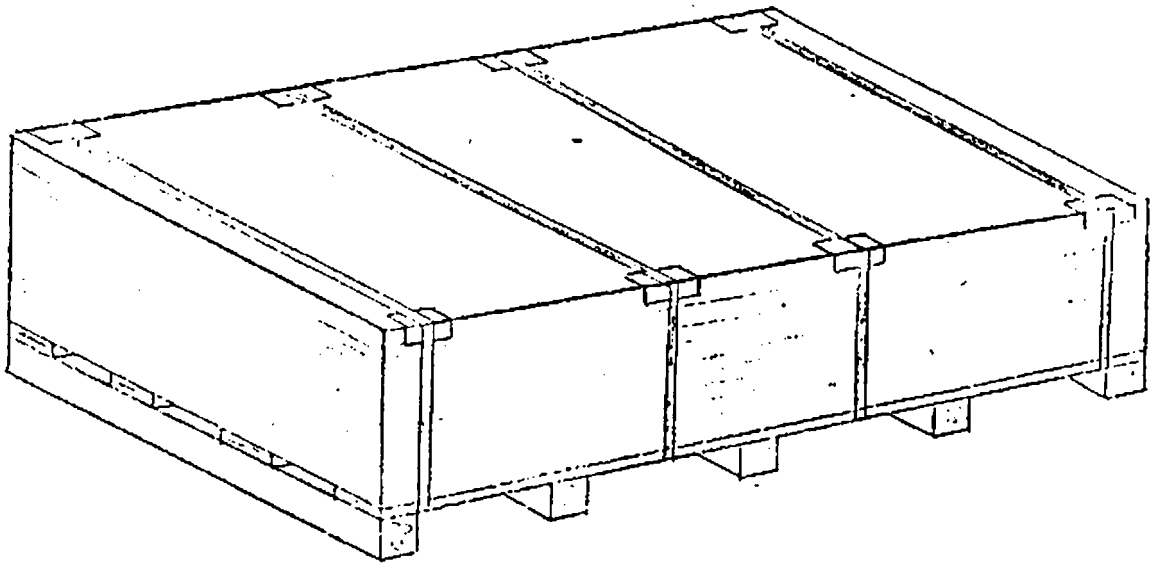
Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

Johns-Manville	PRODUCT:	DIVISION	BMI
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	3 of 12

SHIPPING UNIT SPECIFICATION

Type U - Unitized
Strapped

Use - Standard Flexboard
Asbestoboard
Steam Cured Flexboard
Marine Veneer



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE-8
10' - 48" x 120" Expendable - Spec No. FBE-10
12' - 48" x 144" Expendable - Spec No. FBE-12
} RP-2705-2

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Core Stock - Top						
Core Stock - Bottom						
Edge Protectors - Ends						
Edge Protectors - Sides						
Edge Protectors - Corners						
Metal Strapping	3/4"	3/4"	3/4"	3	4	4
Pallet Runners - 1" x 4"	As Req'd.	As Req'd.	As Req'd	2	2	2
Strapping Protectors	4" x 4" x 6"	4" x 4" x 6"	4" x 4" x 6"	6	8	8
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	4	4

Used for: Truck Load - Car Load - Will Call

JM - 83

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

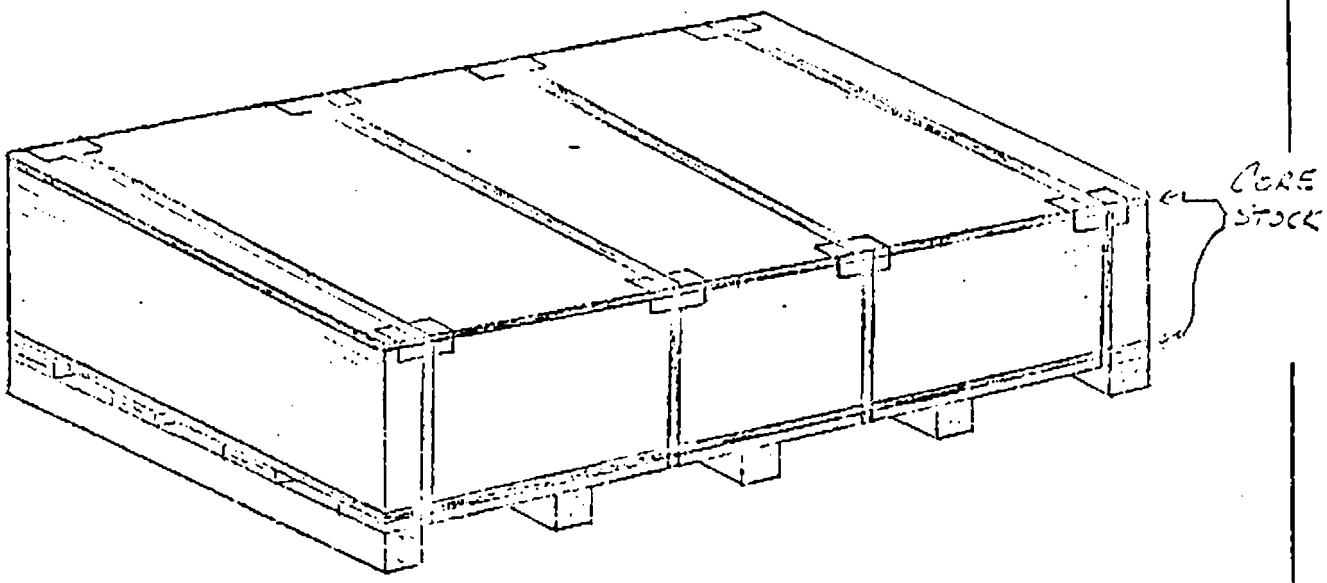
X - INDICATES CHANGE	Complete Revision
AUTHORITY FOR CHANGE	Regular Approvals
SUPERSEDES: All Previous issues of same spec	DATE ISSUED: 12/3/76

Johns-Manville FINISHED PRODUCT SPECIFICATION	PRODUCT: MINERAL PANEL PRODUCTS PACKAGING	DIVISION	B/M
		SPEC. NO.	4743-0
		PAGE NO.	4 of 12

SHIPPING UNIT SPECIFICATION

Type U1 - Unitized
Core Protector Sheets
Strapped

Use - Transitop Panels
Thermocore Panels



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10
12' - 48" x 144" Expendable - Spec No. FBE-12
} RP 2705-2

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Core Stock - Top	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Core Stock - Bottom	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Edge Protectors - Ends						
Edge Protectors - Sides						
Edge Protectors - Corners						
Metal Strapping	3/4"	3/4"	3/4"	3	4	4
Pallet Runners - 1" x 4"	As Req'd.	As Req'd.	As Req'd.	2	2	2
Strapping Protectors	4" x 4" x 6"	4" x 4" x 6"	4" x 4" x 6"	6	8	8
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

Used for: Truck Load - Car Load - Will Call

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

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JM - 83

Q. A.

X - INDICATES CHANGE	Complete Revision
AUTHORITY FOR CHANGE	Regular Approvals
SUPERSEDES: All Previous issues of same spec	DATE ISSUED: 12/3/76

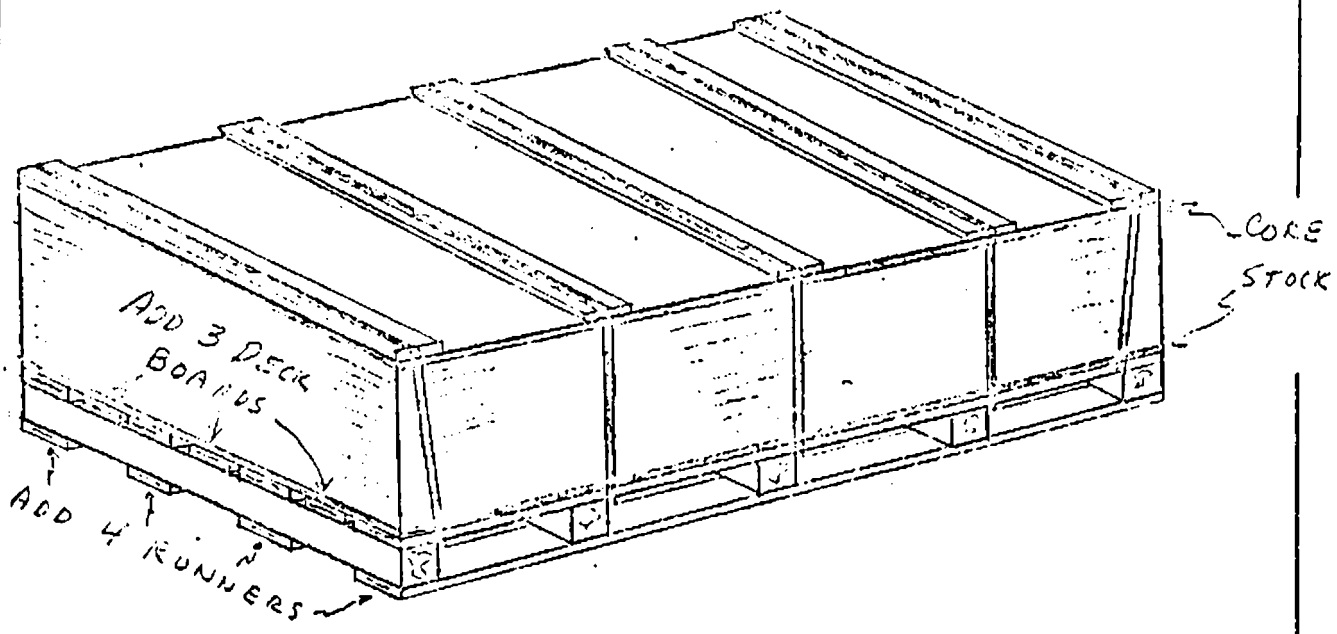
Form 223 - 50 (2/76)

Johns-Manville	PRODUCT:	DIVISION	BMI
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	5 of 12

SHIPPING UNIT SPECIFICATION

Type U2 - Unitized
Core Protector Sheets
Special Pallet

Use - Transifoam Panels



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10
12' - 48" x 144" Expendable - Spec No. FBE-12
} RP 2705-2

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Core Stock - Top	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Core Stock - Bottom	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Edge Protectors - Ends						
Edge Protectors - Sides						
Edge Protectors - Corners						
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Pallet Runners - 1" x 4"	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	4	4	4
Strapping Protectors	1" x 4" x 4'	1" x 4" x 4'	1" x 4" x 4'	4	5	5
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5
Additional Deck Boards	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	3	3	3

Truck Load - Car Load - Will Call Shipments

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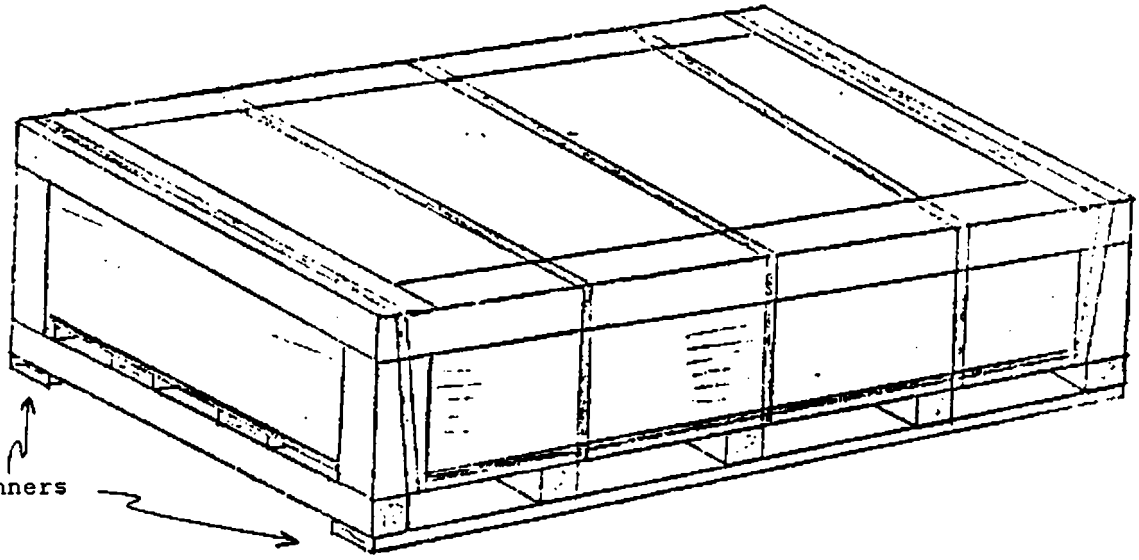
X - INDICATES CHANGE	Complete Revision		
AUTHORITY FOR CHANGE	Regular Approvals		
SUPERSEDES:	All Previous issues of same spec	DATE ISSUED:	12/3/76

Johns-Manville	PRODUCT:	DIVISION	BMM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	6 of 12

SHIPPING UNIT SPECIFICATION

Type P - Protected-Unitized
Core Protector Sheets
Edge & Corner Protectors

Use - Transitop Panels
Std. Flexboard* — Thermocore Panels
Steam Cured Flexboard * — Permatone "S" & Flexb.
Asbestoboard * — Painted Flexboard
Marine Veneer * — Primed Flexboard



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10
12' - 48" x 144" Expendable - Spec No. FBE-12
RP 2705-2

*No Core Stock Required

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	8' Exp.	8' Exp.	1	1	1
Core Stock - Top*	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Core Stock - Bottom*	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Edge Protectors - Ends	4" x 4" x 4'	4" x 4" x 4"	4" x 4" x 4"	2	2	2
Edge Protectors - Sides	4" x 4" x 8'	4" x 4" x 10'	4" x 4" x 12'	2	2	2
Edge Protectors - Corners	4"x4"x varies	4"x4"x varies	4"x4"xvaries	4	4	4
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Additional Deck Boards	--	--	--	-	-	-
Pallet Runners - LTL Units	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	2	2	2
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

X Used For: LTL - TL - CL - Will Call - Standard Transitop & Thermocore Panels
LTL Shipments - Standard Flexboard, Steam Cured Flexboard, Asbestoboard.

X TL-CL-Will Call - Permatone "S", Painted & Primed Flxb., Marine Veneer

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

X Pallet Runners: TL - CL - Will Call. Use only if specified.

X - INDICATES CHANGE	Revision	PRODUCED JM - 83	
AUTHORITY FOR CHANGE	M. A. Baloga		
SUPERSEDES:	All previous issues of same spec	DATE ISSUED:	3/5/79

Approved 3-5-79
3-7-79

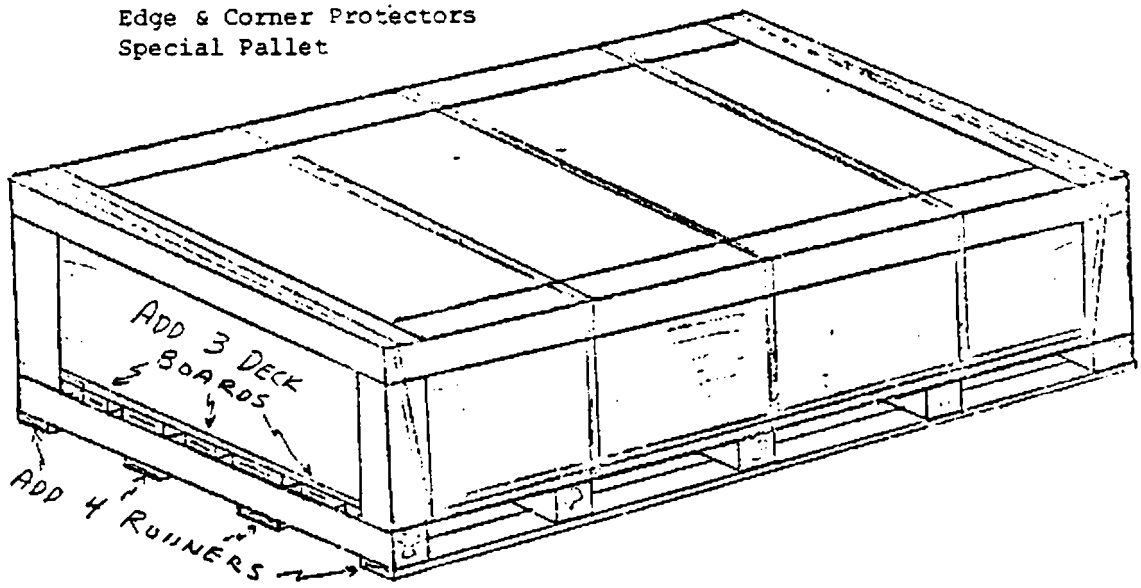
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Johns-Manville	PRODUCT:	DIVISION	BMM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	7 of 12

SHIPPING UNIT SPECIFICATION

Type P1 - Protected-Unitized
Core Protector Sheets
Edge & Corner Protectors
Special Pallet

Use - Transifoam Panels



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE-8
10' - 48" x 120" Expendable - Spec No. FBE-10 } RP-2705-2
12' - 48" x 144" Expendable - Spec No. FBE-12

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12' *	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Core Stock - Top	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Core Stock - Bottom	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x7/16"	1	1	1
Edge Protectors - Ends	4" x 4" x 4'	4" x 4" x 4'	4" x 4" x 4'	2	2	2
Edge Protectors - Sides	4" x 4" x 8'	4" x 4" x 10'	4" x 4" x 12'	2	2	2
Edge Protectors - Corners	4"x4"xVaries	4"x4"xVaries	4"x4"xVaries	4	4	4
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Additional Deck Boards	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	3	3	3
X Pallet Runners - LTL Units	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	4	4	4
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

X LTL - TL - CL- Will Call
Pallet Runners: TL - CL - Will Call. Use only if specified.

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

X - INDICATES CHANGE	Revision	PRODUCED JM - 83
AUTHORITY FOR CHANGE	M. A. Baloga	
SUPERSEDES: All Previous issues of same spec		DATE ISSUED: 3/5/79

Approved 3-5-79

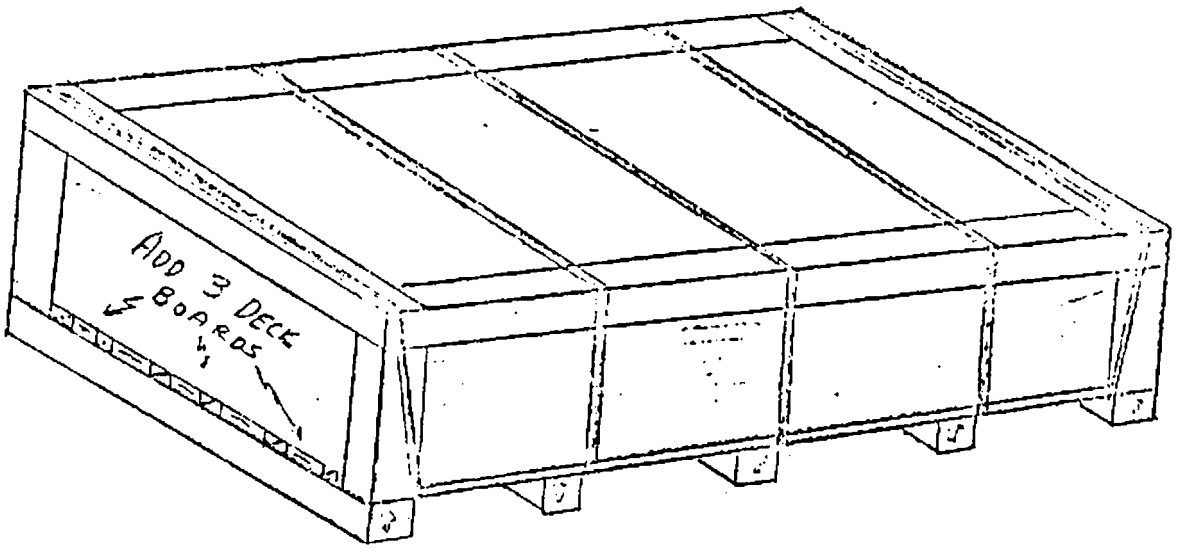
Form 333 - 58 (7/76) PRINTED IN U.S.A.

Johns-Manville	PRODUCT:	DIVISION	BMM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	8 of 12

SHIPPING UNIT SPECIFICATION

Type P3 - Protected-Unitized
Plastic Wrapped
Edge & Corner Protectors
Special Pallet

Use - 1/4" Santone*
1/8" & 1/4" Rentone
1/4" Klefstone*
1/4" Splitwood II*



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE-8
10' - 48" x 120" Expendable - Spec No. FBE-10 } RP 2705-2
12' - 48" x 144" Expendable - Spec No. FBE-12
*11'6" for Santone, Klefstone & Splitwood II

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Plastic Wrap-Side,End,Top	Full Unit	Full Unit	Full Unit	1	1	1
Pallet Runners - 1" x 4"	As Req'd.	As Req'd.	As Req'd.	2	2	2
Edge Protectors - Ends	4" x 4" x 4'	4" x 4" x 4'	4" x 4" x 4'	2	2	2
Edge Protectors - Sides	4" x 4" x 8'	4" x 4" x 10'	4" x 4" x 12'	2	2	2
Edge Protectors - Corners	4"x4"xVaries	4"x4"xVaries	4"x4"xVaries	4	4	4
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Additional Deck Boards	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	3	3	3
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

Truck Load - Car Load - Will Call

Note: Polyethylene cushioning sheet between pallet and bottom sheet, and between each sheet. Top sheet face down - All other sheets face up.

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

"APPROVED Q.A."

PRODUCED JM - 83

X - INDICATES CHANGE	Complete Revision	
AUTHORITY FOR CHANGE	Regular Approvals	
SUPERSEDES:	All previous issues of same spec	DATE ISSUED: 12/3/76

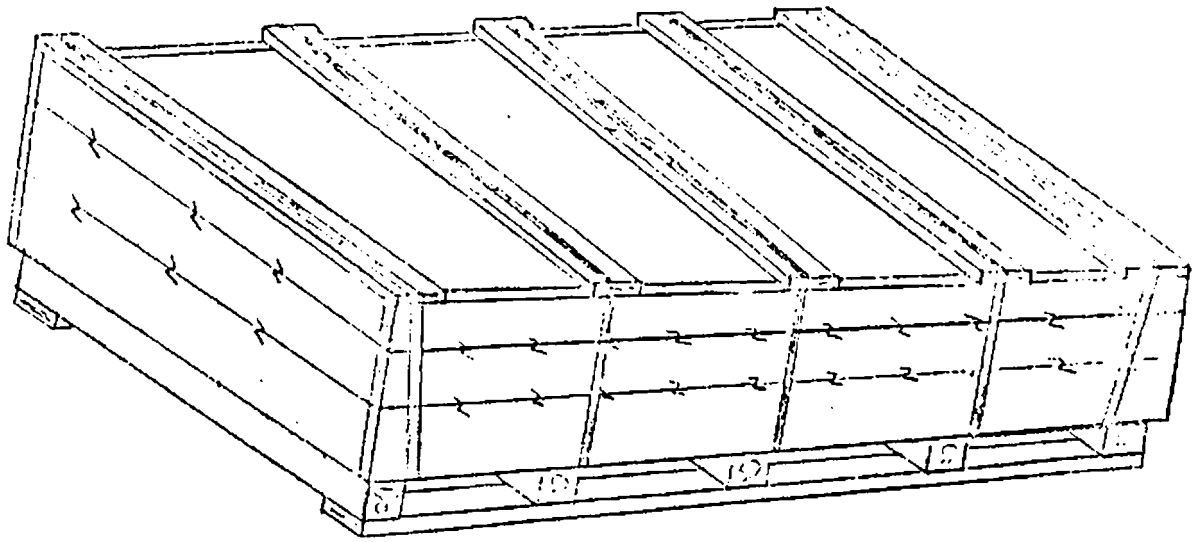
Form 111-50 (2/76)

Johns-Manville	PRODUCT:	DIVISION	BMI
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	9 of 12

SHIPPING UNIT SPECIFICATION

Type R - Reinforced Crate
Core Protector Sheets
Solid Wood Sides

Use - Permatone "S" Flexboard
Permatone "T" Flexboard
Painted Flexboard
Primed Flexboard



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10 RP 2705-2
12' - 48" x 144" Expendable - Spec No. FBE-12

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Core Stock - Top	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Core Stock - Bottom	4'x 8'x 7/16"	4'x 10'x 7/16"	4'x 12'x 7/16"	1	1	1
Ends	1" x 4" - 10"	1" x 4" - 10"	1" x 4" - 10"	V A	R I E	S
Sides	1" x 4" - 10"	1" x 4" - 10"	1" x 4" - 10"	V A	R I E	S
Top Wood Cleats	1" x 4" & 6"	1" x 4" & 6"	1" x 4" & 6"	4	5	5
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Pallet Runners	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	2	2	2
Corr. Fasteners	Approx 12" ℄	Approx 12" ℄	Approx 12" ℄	V A	R I E	S
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

Used For: LTL Shipments

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

APPROVED Q.A. DEPT.

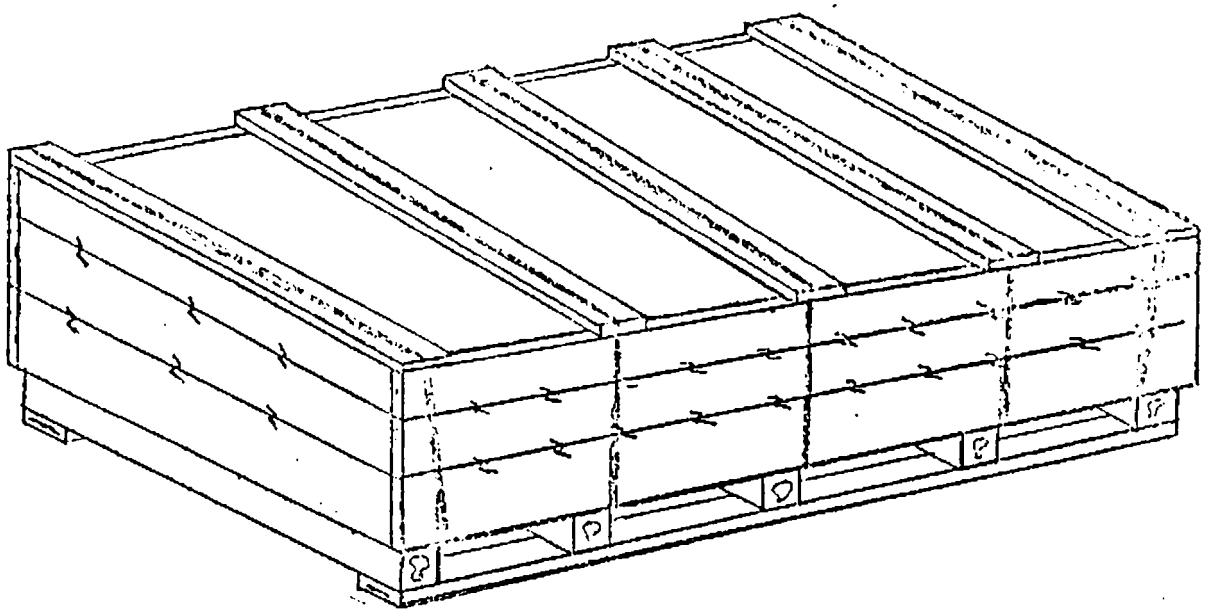
X - INDICATES CHANGE	Complete Revision	PRODUCED JM - 83
AUTHORITY FOR CHANGE	Regular Approvals	
SUPERSEDES:	All Previous issues of same spec	DATE ISSUED: 12/3/76

Johns-Manville	PRODUCT:	DIVISION	BMM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	10 of 12

SHIPPING UNIT SPECIFICATION

Type R-A - Reinforced Crate
Solid Wood Sides
Special Pallet
Plastic Wrapped

Use - Santone *
Kleftone *
Rentone
Splitwood II *



Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10
12' - 48" x 144" Expendable - Spec No. FBE-12
RP 2705-2
* - Santone, Klefstone & Splitwood II at 11'6"

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Pallet	8' Exp.	10' Exp.	12' Exp.	1	1	1
Plastic Wrap-Side,End,Top	Full Unit	Full Unit	Full Unit	1	1	1
Additional Deck Boards	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	3	3	3
Ends	1" x 4" - 10"	1" x 4" - 10"	1" x 4" - 10"	V A	R I	E S
Sides	1" x 4" - 10"	1" x 4" - 10"	1" x 4" - 10"	V A	R I	E S
Top Wood Cleats	1" x 4" & 6"	1" x 4" & 6"	1" x 4" & 6"	4	5	5
Metal Strapping	3/4"	3/4"	3/4"	4	5	5
Pallet Runners	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'	2	2	2
Corr. Fasteners	Approx 12" C	Approx 12" C	Approx 12" C	V A	R I	E S
Pallet Stringers	3" x 3" x 4'	3" x 3" x 4'	3" x 3" x 4'	4	5	5

LTL Shipments:

Note: Architectural Panels packaged same as spec P-3

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

Q. A.

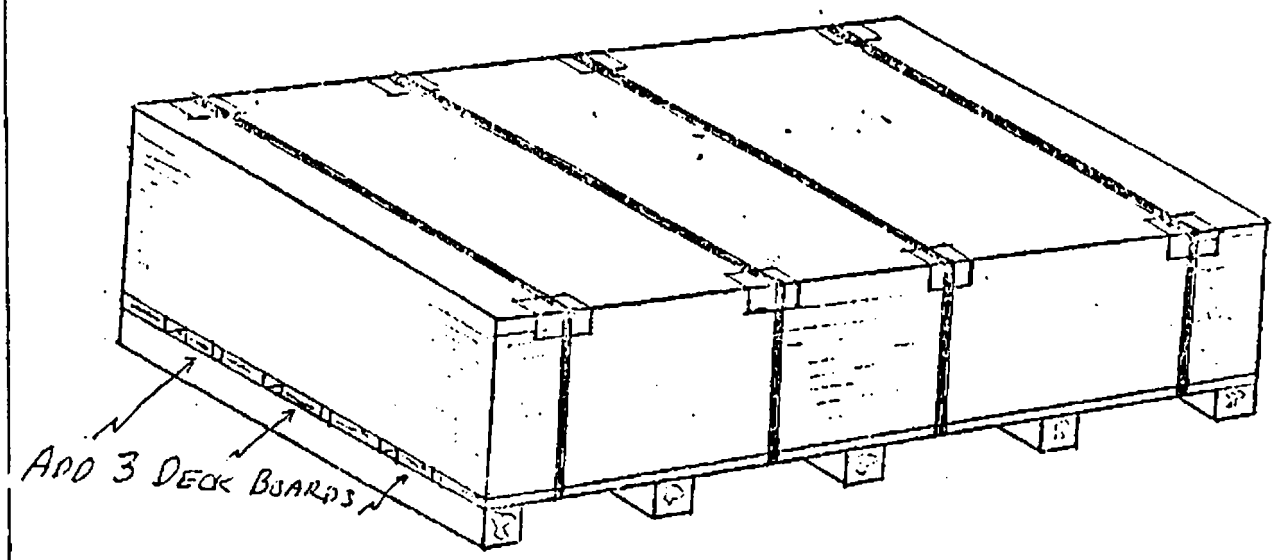
X - INDICATES CHANGE	Complete Revision	PRODUCED JM - 83
AUTHORITY FOR CHANGE	Regular Approvals	
SUPERSEDES:	All Previous issues of same spec	DATE ISSUED: 12/3/76

Johns-Manville FINISHED PRODUCT SPECIFICATION	PRODUCT: MINERAL PANEL PRODUCTS PACKAGING	DIVISION	BMM
		SPEC. NO.	4743-0
		PAGE NO.	11 of 12

SHIPPING UNIT SPECIFICATION

Type L - Unitized-Laminator

Use - Laminator Accounts
Door Sheets
Full Size Sheets



Pallet Stringers
4 on 8' & Doors
5 on 10' & 12'

Pallet: 8' - 48" x 96" Expendable - Spec No. FBE- 8
10' - 48" x 120" Expendable - Spec No. FBE-10 RP-2704-2
12' - 48" x 144" Expendable - Spec No. FBE-12
Doors - Per size required

DESCRIPTION		NOMINAL SIZES		
	DOORS	8'	10'	12'
Pallet	Size Req'd	8' Exp.	10' Exp.	12' Exp.
Extra Deck Boards	1" x 4" x Varies	1" x 4" x 8'	1" x 4" x 10'	1" x 4" x 12'
Strapping Protectors	4" x 4" x 6"	4" x 4" x 6"	4" x 4" x 6"	4" x 4" x 6"
Metal Strapping	3/4"	3/4"	3/4"	3/4"

DESCRIPTION	NO. REQ'D.			
	DOORS	8'	10'	12'
Pallet	1	1	1	1
Extra Deck Boards	3	3	3	3
Strapping Protectors	6	6	8	8
Metal Strapping	3	3	4	4

Truck Load - Car Load - Will Call Shipments
Pallet Runners - 2 @ 1" x 4" added when required

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

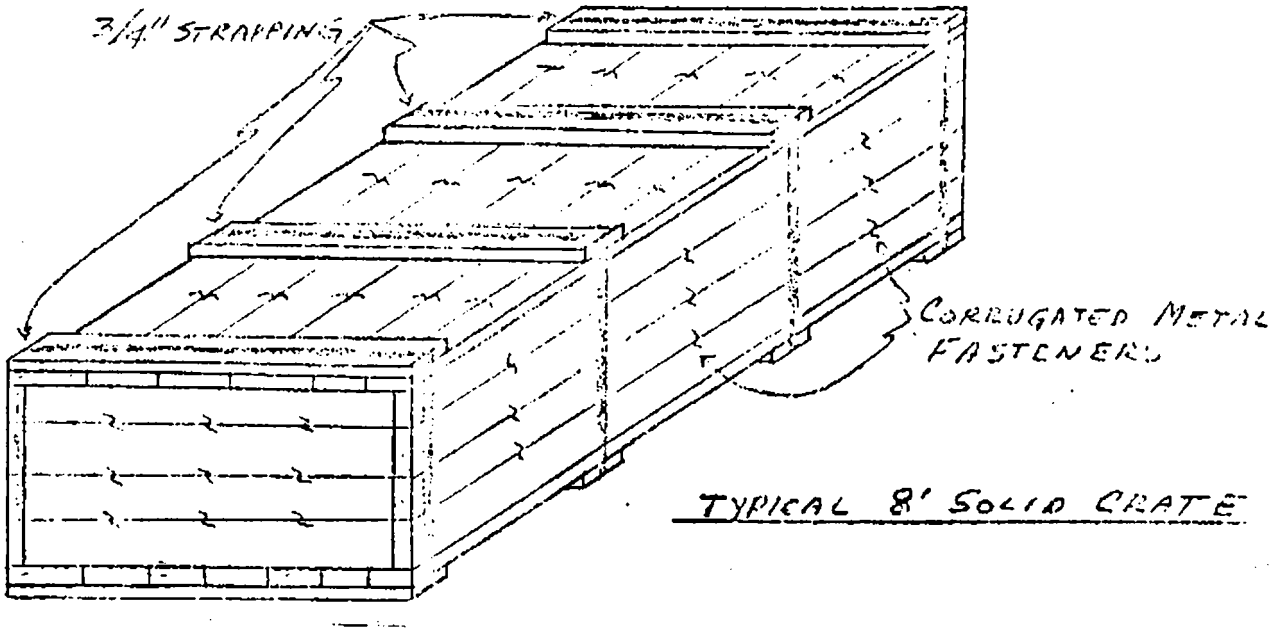
X - INDICATES CHANGE	Complete Revision	PRODUCED
AUTHORITY FOR CHANGE	Regular Approvals	JK - 83
SUPERSEDES:	All Previous issues of same spec	DATE ISSUED: 12/3/76

Johns-Manville	PRODUCT:	DIVISION	BHM
FINISHED PRODUCT SPECIFICATION	MINERAL PANEL PRODUCTS PACKAGING	SPEC. NO.	4743-0
		PAGE NO.	12 of 12

Shipping Unit Specification

Type S - Solid Crate
Domestic
Export

Use - All Products



TYPICAL 8' SOLID CRATE

DESCRIPTION	NOMINAL SIZES			NO. REQ'D.		
	8'	10'	12'	8'	10'	12'
Top	1"x4",6",8"	1"x 4",6",8"	1"x 4",6",8"	V A R I E S		
Bottom	1"x 4",6",8"	1"x 4",6",8"	1"x 4",6",8"	V A R I E S		
Sides	1"x 4",6",8"	1"x 4",6",8"	1"x 4",6",8"	V A R I E S		
Ends	1"x 4",6",8"	1"x 4",6",8"	1"x 4",6",8"	V A R I E S		
Wood Cleats	1" x 4"	1" x 4"	1" x 4"	8	10	10
Corr. Fasteners	Approx 18" ℄	Approx 18" ℄	Approx 18" ℄	V A R I E S		
Strapping	3/4"	3/4"	3/4"	4	5	5
Core Stock - Top	4'x 8'x 7/16"	4'x10'x 7/16"	4'x12'x 7/16"	1	1	1
Core Stock - Bottom	4'x 8'x 7/16"	4'x10'x 7/16"	4'x12'x 7/16"	1	1	1
Plastic Film	8' x 24'	10' x 24'	10' x 32'	1	1	1

Comments: Core stock inside crate - under the product and on top of the product. Plastic Film for export crates only. Use around the product inside the crate.

Approvals: When this spec is stamped "APPROVED-Q.A. DEPT." the original record of required approvals will be on file in the Quality Assurance Department.

X - INDICATES CHANGE	Complete Revision	PRODUCED JM - 83
AUTHORITY FOR CHANGE	Regular Approvals	
SUPERSEDES:	All Previous issues of same spec	DATE ISSUED: 12/3/76

CAUTION

**CONTAINS ASBESTOS FIBERS.
AVOID CREATING DUST.
BREATHING ASBESTOS DUST MAY
CAUSE SERIOUS BODILY HARM.
SMOKING GREATLY INCREASES THE
RISK OF SERIOUS BODILY HARM.**

The asbestos fibers in this product are "locked-in" the cement matrix, and are released only during fabricating operations. Fabricate using recommended work practices.

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Johns-Manville

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JOHNS-MANVILLE FINISHED PRODUCT SPECIFICATION	PRODUCT: TRANSITOP PRODUCTS SHIPPING PROCEDURE	DIVISION	RP
		SPEC NO.	4743-0
		PAGE NO.	1

CANCELLED

I. Manufacturing Points

Waukegan

II. Products

Transitop
Thermostone
Thermocore
Transifoam

III. Face Types

1. Standard Flexboard - 2 sides
2. Permatone "S" Flexboard - 2 sides
3. Permatone "S" Flexboard - 1 side - primed Steam Cured Flexboard 1 side
4. Primed Flexboard - 2 inches
5. Steam Cured Flexboard - 2 sides

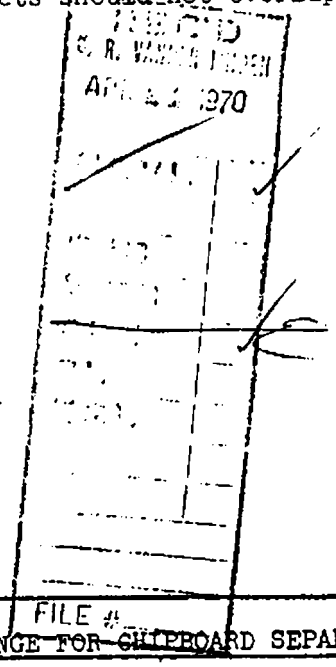
IV. Packaging

Standard FLEXBOARD Faces - Steam Cured Flexboard Faces

No separators

Decorative Faces

X 014 to 030 Chipboard separators are used between panels. Size to be such to leave approximately 1/2" border around edges. When more than one separator piece is required adjacent sheets should not overlap nor have a gap exceeding 8".



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X— INDICATES CHANGE	—REASON: TO SHOW THICKNESS RANGE FOR CHIPBOARD SEPARATORS	PLEASE RETURN TO
AUTHORITY FOR CHANGE	REGULAR APPROVALS	J-M RESEARCH
SUPERSEDES:	PAGE 1, SAME SPECIFICATION ISSUED 3-31-70	LIBRARY (MM)

MGR. G & C	MGR Q. C.	SUPR. Q. C.	PROD SUPT.	PLNT. PHS.	RES. LABS	E. W. THOMPSON J. NORTH, JR.	DATE ISSUED	4-17-70

PRODUCT: TRANSITOP PRODUCTS SHIPPING PROCEDURES	DIVISION:		
	SPEC NO.	[illegible]-0	
	PAGE NO.	1	

I. [illegible]

[illegible]

X II. Products

Transitop
Thermostone
Thermocore
Transiform

X III. Face Types

1. Standard Flexboard - 2 sides
2. Permatone "S" Flexboard - 2 sides
3. Permatone "S" Flexboard - 1 side - primed Steam Cured Flexboard 1 side
4. Primed Flexboard - 2 sides
5. Steam Cured Flexboard - 2 sides

IV. Packaging

X Standard FLEXBOARD Faces - Steam Cured Flexboard Faces
No separators.

Decorative Faces

.030 chipboard separators are used between panels. Size to be such to leave approximately 1/2" border around edges. When more than one separator piece is required adjacent sheets should not overlap nor have a gap exceeding 6".

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X- INDICATES CHANGE	-REASON: GENERAL REVISION							
AUTHORITY FOR CHANGE	REGULAR APPROVALS							
SUPERSEDES:	PAGE 1, SAME SPECIFICATION ISSUED 8-25-64							
MGR Q.C.	VICE Q.C.	SUPR Q.C.	PROD. SUPT.	PLNT. ENG.	QUAL. ENG.	E. W. THOMPSON J. NORTH, JR.	DATE ISSUED	3-31-70

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V. Shipping

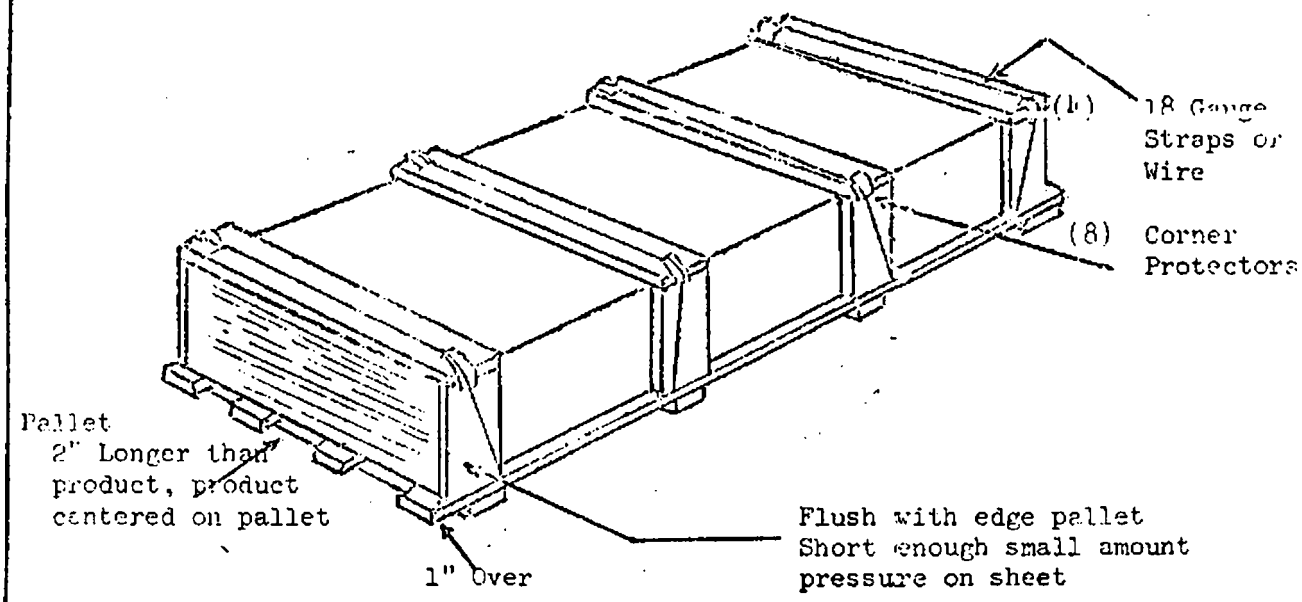
Shipments are to be either crated or pallatized unless otherwise specified on order.

Total Thickness	Sheets/Crate	Sq. Ft./Crate
11/16"	8	256
1-1/8"	6	192
1-9/16"	5	160
2"	5	160

Above figures are for 4' x 8' sheets.

Export crates are strapped with 4 bands of 3/4" strapping.

Palletized shipments are to be strapped as shown in sketch below:



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I. Manufacturing Point - Waukegan

Facings - Facing Types shall be as listed below:

1. Standard Flexboard - 2 sides
2. Primed Flexboard - 2 sides
3. Permatone "S" - 2 sides
4. Permatone "S" one side - Steam cured primed - one side
5. Steam cured Flexboard - 2 sides

II. Specifications to be Met

The impregnated core shall meet the Federal Specification for Fiberboard; Insulation, LLL-I-535, Amendment 1, Class A.

The Flexboard faces shall meet all the requirements of the present Finished Product Specification for "Standard Flexboard", 1/8" thick.

III. Construction

Standard Sizes

Thickness	Width	Lengths
11/32"	4 ft.	6, 8, 9, 10, 12 ft.
1-1/8"	4 ft.	6, 8, 9, 10, 12 ft.
1-9/32"	4 ft.	6, 8, 9, 10, 12 ft.
2"	4 ft.	6, 8, 9, 10, 12 ft.

Transitop is made from an impregnated insulating board core, 7/16" or 21/32" in multiples of these thicknesses, faced two sides with facings as approved.

Cores 7/16" and 21/32" in thickness shall be single continuous sheets. Cores 1-5/16" or more in thickness shall preferably be continuous sheets bonded together but it is permissible to make the inner plies of the core from not more than two pieces for each ply. Both outer plies must be single continuous sheets. Sheets with core splits not exceeding 3" in length are acceptable.

If the inner plies of a core are each made from two pieces, the joints must be staggered.

All facing sheets shall be single, continuous pieces.

All edges of standard faces, standard core are to be edge sealed with an approved edge sealer.

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IV. Dimensional Tol[illegible]

Length and Width Tolerances, both Standard and cut pieces

Plus 1/32", Minus 3/32"

Thickness Toler[illegible] - Nominal ±1/16"

Squareness - 1/64" per lineal foot

Edges - Shall be cut reasonably square and straight and shall be wiped cleaned after sawing.

Control Tests - Production: Spot check on all dimensions. All dimensions to be checked at start of each shift and at each saw change.

Quality Control: Spot check all material.

V. Appearance Tolerances

Faces:

a. Color: Some color variation is permissible due to the nature of the material. See standard samples.

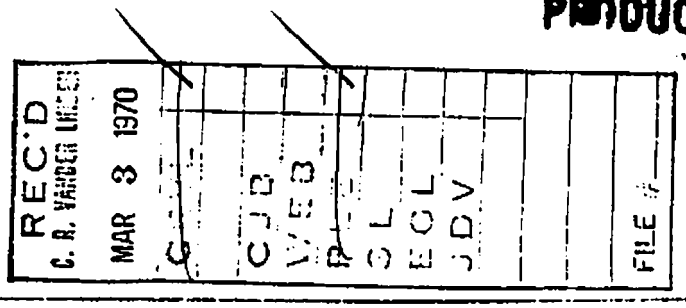
b. Texture: Shall have smooth surface but may not look alike due to variation in fibre distribution. See standard samples.

c. Defects: The sheets shall be free from pull-outs, projections, cracks, chips, lumps, bruises, dents, foreign matter, etc. which may present a rough, damaged or unworkmanlike appearance. Sheets with not over two corners broken less than 1/4" may be shipped.

d. Decorative Finishes:

Decorative Finishes furnished in accordance with Section I Finish to be uniform and continuous in appearance. See standard samples.

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Prd. in U.S.A.

X — INDICATES CHANGE — REASON: To show Thickness Tolerance ± 1/16"

SUBMITTED FOR CHANGE: Product Manager Approval

SUPERSEDES: Page 2 same specification issued 1/30/69

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VI [illegible]

A. Quality Control - Adhesion

Each unit as produced is to be checked visually for delamination. Provided delamination is detected a probe shall be used to determine the extent of the delamination. If the delamination exceeds 3" in length and [illegible] the panel is to be rejected.

B. Weights

Core Thickness	Total Thickness	Approx. Wt/Ft Sq. Ft.
7/16"	11/16"	3420
7/8"	1-1/8"	4088
1-5/16"	1-9/16"	4756
1-3/4"	2"	5424

VII. Packaging

Package in accordance with F.P.S. 4743-0.

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VII. Packing and Labelling (cont'd)

Total Thickness	Sheets/Crate	Sq. Ft./Crate	Shipping Weight Domestic	Shipping Weight Export
1/16"	8	256	947	1042
1-1/8"	6	192	874	986
1-9/16"	5	160	848	969
2"	5	160	955	1085

25# Kraft paper separators are used between Pre-Primed panels.

Export crates are strapped with 4 bands of 3/4" strapping.

Above figures are for 4' x 8' sheets.

X Permatone Transitone

Corrugated cardboard separator strips (non-test board) are used to protect the painted panels. These strips (4" x 47") are laid crossways on each panel approx. 20 inches apart. In stacking the panels the strips are superimposed at the same location on the panels in order to build up a column of spacers at each location.

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X— INDICATES CHANGE —REASON: To show use of corr. spacers	RETURN TO
AUTHORITY FOR CHANGE: Additional information	J-M RESEARCH
SUPERSEDES: Page 4, same spec. issued 3-7-62	FILE ROOM

MFR.	MGR. QC.	SUPR. MG.	PROD. SUPT.	PLNT.	RES.	W.H. Gooden P. A. Voigt	DATE ISSUED 8-21-62