

Meets the requirements of ASTM C 728, Type 2

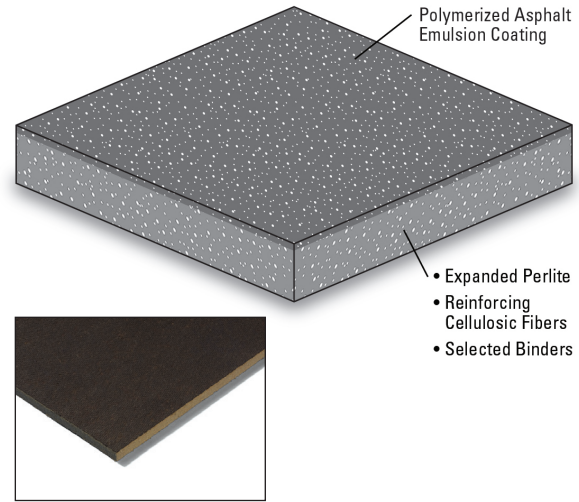
Features and Components

Polymerized Asphalt Emulsion Coating: Allows for direct application of SBS or APP membranes using torch application techniques, and does not require pre-heating like heavily coated boards. This allows for fuel savings and labor efficiency by eliminating fasteners with a mechanically fastened base sheet.

Expanded Perlite: Provides good dimensional stability, excellent insulation value with stable R-value and fire resistance.

Reinforcing Cellulosic Fibers: Consists of recycled newsprint to provide strength to the board as well as high recycled content. JM utilizes third party certification by UL environment to certify the recycled content and contributes to the LEED Materials and Resource (MR) credit 4.

High Density: Provides additional strength and durability.



Component	B Cover Board
	Multi-Ply
Type	PL Perlite
	LT Low Thermal
	HD High Density

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP			SBS			
	HA	CA	HW	HA	CA	HW	SA	MF	
<i>Compatible with the selected multi-ply systems above</i>									

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Do not use in single ply systems</i>										

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

Energy and the Environment

LEED®	Recycled Content	15% minimum* *Johns Manville Fesco Roofing Product Line contains an average of 86% pre-consumer and 14% post-consumer recycled paper.
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ENVIRONMENTAL CLAIMS VALIDATION
 ✓ DuraBoard™ contains a minimum of 15% recycled content.

Peak Advantage® Guarantee Information

Systems	Guarantee Term*
When used in most 2-5 ply multi-ply systems.	10, 15 or 20 years

* Contact JM Technical Services for specific systems or terms over 20 years.

Codes and Approvals

Installation/Application



- DuraBoard's unique coating does not require pre-heating like heavily coated boards, concrete surfaces or base sheets; therefore the flame of the application torch should be focused on the membrane roll, and not applied directly to the surface of DuraBoard.
- Refer to the Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Size	4' x 4' (1.22 m x 1.22 m)		
Thickness	½" (1.27 cm)	¾" (1.91 cm)	1" (2.54 cm)
Board Weight (lbs)	9	12	16
Ft²/Pallet	1,536	960	800
Boards/Pallet	96	60	50
Pallet Weight	865	720	800
Pallets per Truck*	48		
Producing Location	Rockdale, IL		

* Assumes 48' flatbed truck.

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Typical Physical Properties

Test		ASTM	DuraBoard
Strength	Board Density, pcf (kg/m ³), <i>min</i>	C 209	10 (160)
	Compressive Strength 5% Consolidation, psi (kPa), <i>nom</i>	C 165	35 (241)
	Laminar Tensile Strength, psi (kPa), <i>min</i>	C 209	6 (41)
	Flexural Strength, psi (kPa), <i>min</i>	C 203	108 (745)
Moisture	Water Absorption, % by vol, <i>max</i>	C 209	3.5
Installation	Linear Expansion, %, <i>max</i>	C 209	0.5
	Flute Span, in. (thickness), <i>max</i>	E 661	1.5 (½ in.), 3.5 (1 in.)
	Weight per ft ² , lbs (thickness), <i>nom</i>	NA	0.6 (½ in.), 0.8 (1 in.)

* For UL® and FM Global approved constructions, ½" (1.27 cm) DuraBoard must be used over other approved foam plastic insulation boards in metal deck applications or can be used directly over concrete decks.

Thermal Performance

	Thickness		R-Value (Resistance)	
	in.	mm	(hr•ft ² •°F)/BTU	m ² •°C/W
	½	13	1.2	0.22
	¾	19	1.8	0.32
	1	25	2.3	0.41
Test	ASTM		DuraBoard	
Flame Spread	E 84		35	
Smoke Developed	E 84		10	

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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