DURABOARD®

High-Density Perlite-Based Cover Board

Meets the requirements of ASTM C 728, Type 2

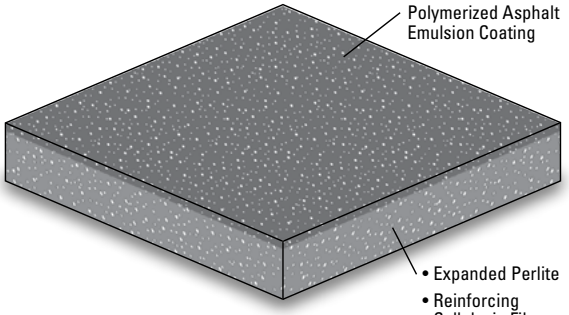
Features and Components

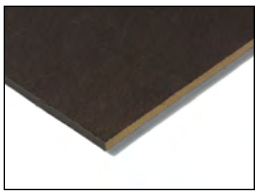
Polymerized Asphalt Emulsion Coating: Allows for direct application of SBS or APP membranes using torch application techniques, and does not require pre-heating like heavily coated boards. This allows for fuel savings and labor efficiency by eliminating fasteners with a mechanically fastened base sheet.

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	CA	HW	HA	CA	HW	SA
	Compatible with the selected Multi-Ply systems above							

Single Ply	TPO		PVC		EPDM			
	MF	FA	MF	FA	MF	FA	BA	
	Do not use in Single Ply systems							

Key: **HA** = Hot Applied **CA** = Cold Applied **HW** = Heat Weldable **SA** = Self Adhered **MF** = Mechanically Fastened **FA** = Fully Adhered **BA** = Ballasted

Energy and the Environment

LEED®	Recycled Content	33% average For post and pre-consumer recycled content percentages, visit the DuraBoard product page on the JM roofing Web site.

UL ENVIRONMENTAL CLAIMS VALIDATION ✓ DuraBoard™ contains an average of 33% 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

CLASSIFIED UL US

FM APPROVED

MIAMI-DADE COUNTY APPROVED
Miami-Dade County Product Control Approved

Installation/Application

Hot Asphalt | Cold Applied | Urethane Adhesive | Mechanically Fastened

- 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.

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.

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Typical Physical Properties

	Test	ASTM	DuraBoard
Strength	Board Density, pcf (kg/m³), *min*	C 209	10 (160)
	Compressive Strength 5% Consolidation, psi (kPa), *nom*	C 165	35 (241)
	Laminar Tensile Strength, psi (kPa), *min*	C 209	6 (41)
	Flexural Strength, psi (kPa), *min*	C 203	108 (745)
Moisture	Water Absorption, % by vol, *max*	C 209	3.5
Installation	Linear Expansion, %, *max*	C 209	0.5
	Flute Span, in. (thickness), *max*	E 661	1.5 (½ in.), 3.5 (1 in.)
	Weight per ft², lbs (thickness), *nom*	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•ft²•°F)/BTU	m²•°C/W
½	13	1.3	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

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