

### Meets the requirements of ASTM C 728, Type 2

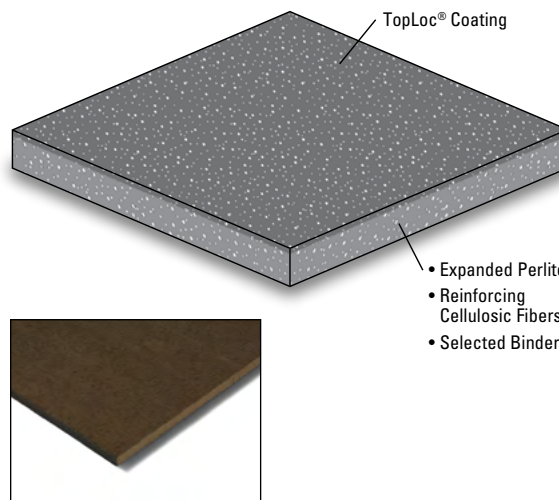
#### Features and Components

**TopLoc® Coating:** Top surface is sealed with this special coating to reduce excessive asphalt absorption in hot-asphalt applied roofing systems.

**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.

**Hot Asphalt Friendly:** Utility board for use as a divorcing layer in re-roofing and in new construction as a top layer in multi-layer insulation systems proven to reduce the tendency for blistering in hot asphalt applications.



<b>Component</b>
<b>B</b> Cover Board
Multi-Ply
<b>Type</b>
<b>PL</b> Perlite
<b>LT</b> Low Thermal

**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 with 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	39% average For post and pre-consumer recycled content percentages, visit the 1/2" Retro-Fit Board product page on the JM roofing Web site.
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ENVIRONMENTAL CLAIMS VALIDATION  
✓ 1/2" Retro-Fit™ Board contains an average of 39% recycled content.

#### Installation/Application



Refer to the Application Guides and Detail Drawings for instructions.

#### Peak Advantage® Guarantee Information

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

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

#### Codes and Approvals



#### Packaging and Dimensions

Size	2' x 4' (0.61 m x 1.22 m)	4' x 4' (1.22 m x 1.22 m)	4' x 8' (1.22 m x 2.44 m)
Thickness	1/2" (1.27 cm)		
Board Weight (lbs)	4.4	8.9	17.2
Ft <sup>2</sup> /Pallet	1,536	1,536	3,072
Boards/Pallet	192	96	96
Pallet Weight (lbs)	850	850	1,650
Pallets per Truck*	48	48	24
Producing Location	Rockdale, IL		

\* Assumes 48' flatbed truck.

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## Typical Physical Properties

Test		ASTM	1/2" Retro-Fit Board
Strength	Board Density, pcf (kg/m <sup>3</sup> ), <i>nom</i>	C 209	12 (192)
	Compressive Strength 5% Consolidation, psi (kPa), <i>nom</i>	C 165	35 (241)
	Laminar Tensile Strength, psi (kPa), <i>min</i>	C 209	6.0 (41)
	Flexural Strength, psi (kPa), <i>min</i>	C 203	60 (414)
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
	Weight per ft <sup>2</sup> , lbs, <i>nom</i>	NA	0.6

## Thermal Performance

Test	Thickness		Nominal R-Value (Resistance)	
	in.	mm	(hr•ft <sup>2</sup> •°F)/BTU	m <sup>2</sup> •°C/W
	1/2	13	1.32	0.23
Test	ASTM		1/2" Retro-Fit Board	
Flame Spread	E 84		30	
Smoke Developed	E 84		20	