

Meets the requirements of ASTM C 728, Type 3

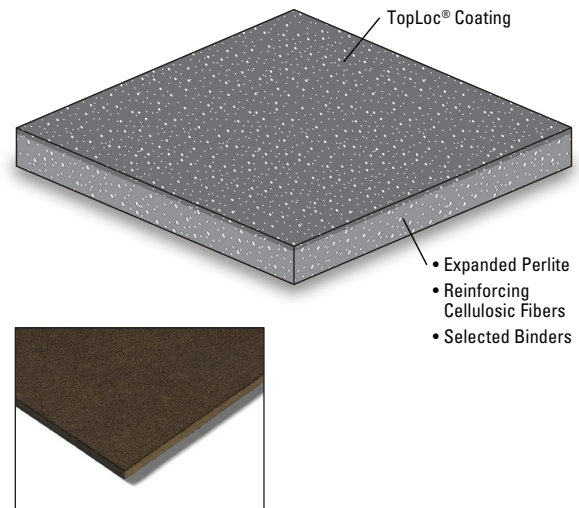
Features

TopLoc® Coating: Top surface is sealed with this special coating to reduce excessive adhesive absorption in hot-asphalt and cold applied roofing systems, and to provide a strong surface for bonding bituminous membranes.

Expanded Perlite: Provides good dimensional stability, excellent insulation value with stable R-value and superior 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 over 1/2" Retro-Fit Board with low moisture content and water resistance compared to wood fiber board.



Component
B Cover Board
Multi-Ply Single 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
<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>Compatible with the selected Single-Ply systems above</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	40% average <small>For post and pre-consumer recycled content percentages, visit the RetroPlus Roof Board product page on the JM roofing Web site.</small>
-------	------------------	---



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 multi-ply and single ply fully adhered and ballasted systems	10,15 or 20 years
When used in single ply, mechanically fastened systems	10 and 15 years

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

Codes and Approvals



Packaging and Dimensions

Sizes	4' x 4' (1.22 m x 1.22 m)	4' x 8' (1.22 m x 2.44 m)
Thickness, <i>nom</i>	1/2" (1.27 cm)	
Board Weight, <i>nom</i>	9.9 lb (4.54 kg)	19.8 lb (9.07 kg)
Coverage/Pallet	15.4 squares (143 m ²)	30.8 squares (285 m ²)
Boards/Pallet	96	96
Pallet Weight (lbs)	950	1,900
Pallets per Truck*	48	24
Producing Location	Rockdale, IL	

* Assumes 48' flatbed truck.

Meets the requirements of ASTM C 728, Type 3

Typical Physical Properties

Test		ASTM	RetroPlus Roof Board
Strength	Board Density, pcf (kg/m ³), <i>nom</i>	C 209	14.5 (225)
	Compressive Strength 5% Consolidation, psi (kPa), <i>nom</i>	C 165	60 (414)
	Laminar Tensile Strength, psi (kPa), <i>nom</i>	C 209	16 (110)
	Flexural Strength, psi (kPa), <i>nom</i>	C 203	225 (1,551)
	Break Load, lbs (kg), <i>nom</i>	C 203	10 (4.54)
Moisture	Moisture Content, wt%, <i>nom</i>	N/A	2.0
	Water Absorption, % by vol, <i>max</i>	C 209	3.5
Installation	Linear Expansion, % <i>max</i>	C 209	0.5
	Weight per ft ² , lbs, <i>nom</i>	NA	0.6

Thermal Performance

Test	Thickness		Nominal R-Value (Resistance)	
	in.	mm	(hr•ft ² •°F)/BTU	m ² •°C/W
	½	13	1.30	0.22
Test	ASTM		RetroPlus Board	
Flame Spread	E 84		35	
Smoke Developed	E 84		10	