

Meets the requirements of ASTM C 728, Type 3

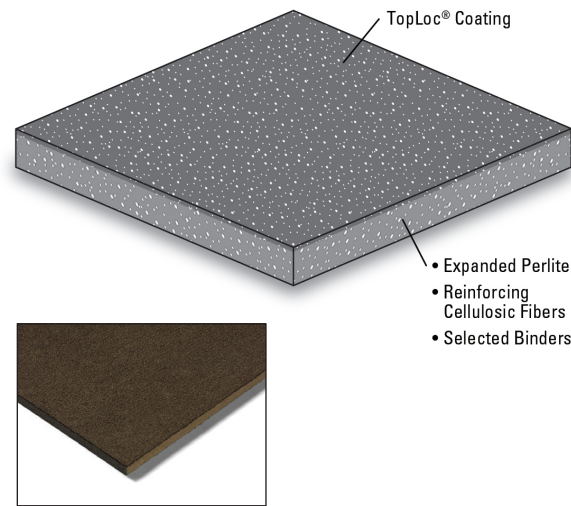
Features

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	HW	HA	CA	HW	SA	MF	
Compatible with the selected multi-ply systems above									

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
Compatible with the selected single ply systems above										

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	34% minimum* *Johns Manville Fesco Roofing Product Line contains an average of 98% pre-consumer and 2% post-consumer recycled paper.
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ENVIRONMENTAL CLAIMS VALIDATION
 ✓ RetroPlus™ Roof Board contains a minimum of 34% recycled content.

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



Installation/Application



Refer to the Application Guides and Detail Drawings for instructions.

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.

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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	1.20	0.20
Test	ASTM	RetroPlus Board		
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.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.