

Meets the requirements of ASTM D 4434, Type III

Features and Components

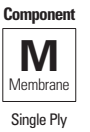
Non-wicking Reinforced Polyester Scrim: Our fully integrated manufacturing process adds tensile strength and toughness. Due to the non-wicking edge sealant is not required.

Excellent Chemical Resistance: JM PVC is inherently resistant to oils, air conditioning coolants, fuels and grease.

Energy Savings: The white membranes provide exceptional reflectivity and emissivity for energy savings.

Patented Aramid-Reinforced Edge: Aramid fiber is woven into the fastening side of PVC membrane.

Spunbond 3.8 oz. Polyester Fleece Back Mat: Interlocking, multiple-layer, uniformly arranged continuous filament strands are needle punched with thousands of barbed needles, creating an extremely durable, strong yet light and flexible protection layer.



Color

White, Grey*

* All colors and MIN membranes not available as standard stocked items in all size configurations. Please call for minimums and lead times.

JM Membranes are designed with a cap, core, and bottom in order to utilize recycled content. The cap, or top-side is produced with non-recycled content, and should always be install facing up. The cap is identified by the lap line and production code.

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	
Do not use in multi-ply systems									

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

*Can be used as a cap sheet in BUR and SBS systems when adhered using hot asphalt.

Energy and the Environment

Standard		Reflectivity	Emissivity
CRRC®	White	Initial	0.86
		3 Yr. Aged	0.70
CA Title 24	White	Pass	0.86
LEED® (SRI)	White	Initial	108
		3 Yr. Aged	84
Recycled Content	Post-consumer	0%	
	Post-industrial	0% - 10%	

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

Peak Advantage® Guarantee Information

Product Thickness	Terms
80 mil*	Up to 25 years

*Contact JM Technical Services for specific systems

Codes and Approvals



Installation/Application



Fully Adhered Mechanically Fastened Hot Air Weld Hot Asphalt

Refer to JM PVC application guides and detail drawings for instructions.

Packaging and Dimensions

Sizes	Coverage	
6.33' x 75' (1.93 m x 22.86 m)	474.75 ft² (44.11 m²)	
12' x 75' (3.66 m x 22.86 m) (white only)**	900 ft² (83.61 m²) (white only)	
Widths	6.33'	12'
Rolls per Pallet	10	7
Pallet Weight - lb (kg)	2740 (1242.8)	3843 (1743.2)
Pallets per Truck*	14	8
Producing Locations	Pawtucket, RI and Lancaster, SC	

*Assumes 48' flatbed truck and does not reflect pallets of accessories or impact of mixed sizes.

**12' - call for availability, lead-time, and minimums.

Mixed membrane jobs for JM PVC SD Plus and JM PVC will not be eligible for a JM Peak Advantage® Guarantee. JM PVC accessories are formulated to be compatible with JM PVC SD Plus and JM PVC.

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Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC FB – 80 mil
Strength	Breaking Strength, min, lbf (N)	D 751	200 (890)	511 (2,273)
	Elongation at Break, min %	D 751	15	42
	Tearing Strength, min, lbf (N)	D 751	45 (200)	84.6 (376)
	Seam Strength, min, % of breaking strength	D 751	75	93
	Static Puncture Resistance, lbf (kg)	D 5602	Pass @ 33 (15)	Pass
	Dynamic Puncture Resistance, J	D 5635	Pass @ 20	Pass
Longevity	Thickness, min, in.	D 751	+/- 10% from Nominal	0.080 (Nominal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.038
	Water Absorption, max, %	D 570 modified	3.0	0.41
	Low Temperature Bend, °F	D 2136	No Cracks @ -40°F	Pass
Heat Aged Performance	Properties after Heat Aging, min	D 3045	56 days @ 176°F	
	Breaking Strength, % (after aging)	D 751	90	92
	Elongation, % (after aging)	D 751	90	94
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.2
Weather Performance	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
	Cracking (@ 7x magnification)	G 154	No Cracks	Pass @ >40,000 hrs
	Discoloration (by observation)	G 154	Negligible	Negligible
	Crazing (@ 7x magnification)	G 154	No Crazing	Pass @ >40,000 hrs
	Moisture Vapor Transmission	ASTM E 96, Proc B, Method A		0.01 g/m ² per 24 hrs

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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