

Meets the requirements of ASTM D 4434, Type III

Features and Components

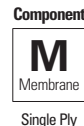
Non-wicking Reinforced Polyester Scrim: Our fully integrated manufacturing process adds tensile strength and toughness. Due to the non-wicking edge sealant is not required.

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	CA	HW	HA	CA	HW	SA	MF	
<i>Do not use in multi-ply systems</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
*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
60 mil	5, 10, 15 or 20 yr NDL

Guarantee terms are for mechanically fastened and fully adhered systems. Mixed-membrane jobs – JM PVC SD Plus and JM PVC (KEE) – will not be eligible for a JM Peak Advantage Guarantee.

Codes and Approvals



Installation/Application



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

Packaging and Dimensions

Sizes	Coverage	
6.33' x 90' (1.93 m x 27.43 m)	569.7 ft² (52.93 m²)	
12' x 90' (3.66 m x 27.43 m)**	1080 ft² (100.34 m²)	
Widths	6.33'	12'
Rolls per Pallet	10	
Pallet Weight - lb (kg)	60 mil	3178 (1441.5)
	60 mil min	3178 (1441.5)
Pallets per Truck*	14	
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 – 60 mil
Strength	Breaking Strength, min, lbf (N)	D 751	200 (890)	457 (2,033)
	Elongation at Break, min %	D 751	15	33
	Tearing Strength, min, lbf (N)	D 751	45 (200)	86.3 (384)
	Seam Strength, min, % of breaking strength	D 751	75	90
	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	0.060 (Nominal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.030
	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	90
	Elongation, % (after aging)	D 751	90	92
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.1
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		0.02 g/m ² per 24 hrs

Note: 60 mil MIN products offer a tighter thickness tolerance and will be manufactured no less than 60 mil.

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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