JM PVC SD PLUS — 50 MIL

Polyester-Reinforced Thermoplastic Polyvinyl Chloride Membrane

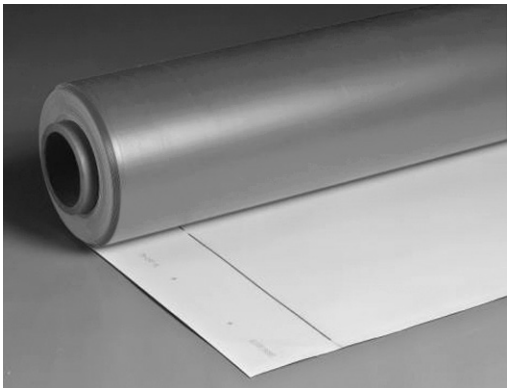
Meets the requirements of ASTM D 4434, Type III

Features and Components

Non-wicking Reinforced Polyester Scrim: Our fully integrated manufacturing process adds tensile strength and toughness. Edge sealant is not a requirement for cut edges.

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.



Component: **M** Membrane

Single Ply

Color

White

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
	Do not use with Multi-Ply systems							

Single Ply	TPO		PVC		EPDM			
	MF	FA	MF	FA	MF	FA	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 **FA** = Fully Adhered **BA** = Ballasted

Energy and the Environment

Standard			Reflectivity	Emissivity
CRRC®	White	Initial	0.86	0.86
		3 Yr. Aged	0.70	0.82
CA Title 24	White	Pass	0.86	0.86
ENERGY STAR®	White	Initial	0.86	0.86
		3 Yr. Aged	0.70	
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
50 mil	5, 10 or 15 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

CLASSIFIED C UL US

FM APPROVED

Installation/Application

Fully Adhered | Mechanically Fastened | Hot Air Weld

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

Packaging and Dimensions

Sizes	Coverage	
5' x 100' (1.52 m x 30.48 m)	500 ft² (46.33 m²)	
10' x 100' (3.05 m x 30.48 m)	1000 ft² (92.96 m²)	
Widths	5'	10'
Rolls per Pallet	12	12
Pallet Weight - lb (kg)	2060 (934.4)	4225 (1916.4)
Pallets per Truck*	17	8
Producing Locations	Lancaster, SC and Pawtucket, RI	

*Assumes 48' flatbed truck.

JM PVC accessories are formulated to be compatible with JM PVC SD Plus and JM PVC.

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.

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Manufactured Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	50 mil Result
Strength	Breaking Strength, min, lbf/in (N)	D 751	200 (890)	240 (1,068)
	Elongation at Break, min, %	D 751	15	15
	Tearing Strength, min, lbf (N)	D 751	45 (200)	45 (200)
	Seam Strength, min, % of breaking strength	D 751	75	80
	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	0.050 Nominal
	Thickness Over Scrim, min, in.	D 7635	0.016	0.016
	Change in Weight After Immersion in Water, max, %	D 570 modified	3.0	3.0
	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, %	D 751	90	>90
	Elongation, %	D 751	90	>90
	Linear Dimensional Change, max, % after 6 hrs @ 176° F	D 1204	0.5	<0.5
Weather Performance	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
	Cracking (@7x magnification)	G 154	No cracks	Pass
	Discoloration (by observation)	G 154	Negligible	Negligible
	Crazing (@7x Magnification)	G 154	No crazing	Pass

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