

JM PVC SD PLUS-80 MIL

Polyester-Reinforced Thermoplastic Polyvinyl Chloride Membrane

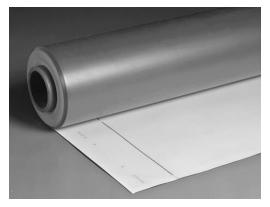
Meets the requirements of ASTM D 4434, Type III

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.





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.

Ply	BUR	APP		SBS				
H H	HA	CA	HW	HA	CA	HW	SA	MF
Do not use in multi-ply systems								

PI	TP0				PVC			EPDM		
gle	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
Sing		Com	patible ı	with the	select	ed singl	e ply sy	stems a	bove	

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

	Standard		Reflectivity	Emissivity	
CRRC®	White	Initial	0.86	0.86	
CnnC ³		3 Yr. Aged	0.70	0.82	
CA Title 24	White	Pass	0.86	0.86	
ENERGY	White	Initial	0.86	0.86	
STAR®		3 Yr. Aged	0.70		
LEED®	White	Initial	10	08	
(SRI)		3 Yr. Aged	8	4	
Recycled	Post-co	nsumer	0%		
Content	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 Serivces for specific systems

Codes and Approvals





Installation/Application







Fully Adhered Mechanically

nically Hot Air Weld

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

Packaging and Dimensions

Sizes	Coverage				
5' x 75' (1.52 m x 22.9 m)	375 ft² (34.84 m²)				
10' x 75' (3.05 m x 22.9 m)	750 ft² (69.67 m²)				
12' x 75' (3.66 m x 22.86 m)**	900 ft ² (83.61 m ²)				
Widths	5'	10'	12'**		
Rolls per Pallet	9	9	7		
Pallet Weight - lb (kg)	1800 (816.5)	3825 (1735.0)	3500 (1,587.6)		
Pallets per Truck*	16	8	8		
Producing Locations	Lancaster, SC and Pawtucket, RI				

^{*}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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Manufactured Physical Properties

Physic	cal Properties	ASTM Test Method	ASTM Requirements	80 mil Result
	Breaking Strength, min, lbf/in (N)	D 751	200 (890)	240 (1,068)
	Elongation at Break, min, %	D 751	15	15
Strength	Tearing Strength, min, lbf (N)	D 751	45 (200)	45 (200)
Stre	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
	Thickness, min, in.	D 751	+/- 10% from Nominal	0.080 Nominal
Longevity	Thickness Over Scrim, min, in.	D 7635	0.016	0.036
Long	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
	Properties after Heat Aging, min	D 3045	56 days @ 176° F	
ged ance	Breaking Strength, %	D 751	90	>90
Heat Aged Performance	Elongation, %	D 751	90	>90
E E	Linear Dimensional Change, max, % after 6 hrs @ 176° F	D 1204	0.5	<0.5
Ð	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
nanc	Cracking (@7x magnification)	G 154	No cracks	Pass
Weather Performance	Discoloration (by observation)	G 154	Negligible	Negligible
4	Crazing (@7x Magnification)	G 154	No crazing	Pass