

Meets the requirements of ASTM D 4434, Type III

Features and Components

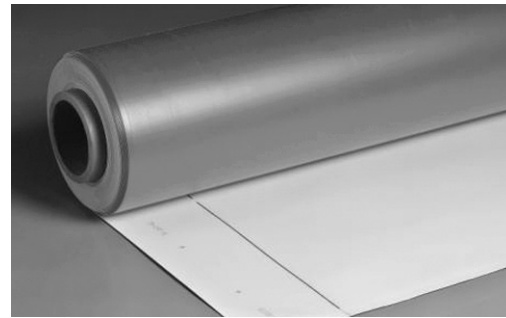
Advanced Solid Phase Polymer Formulation: Using the optimal amount of DuPont™ Elvaloy® KEE (Ketone Ethylene Ester) polymer to ensure plasticizer retention, extend roof life (*exceeded 40,000 hours of accelerated weathering testing - ASTM G 154 requires 5,000 hours*), and to reduce maintenance costs.

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

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.

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 installed facing up. The cap is identified by the lap line and production code.



Component
M
Membrane
Single Ply

Colors

White

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

Standard		Reflectivity	Emissivity
CRRC®	White	Initial	0.86
		3 Yr. Aged	0.82
CA Title 24	White	Pass	0.86
ENERGY STAR®	White	Initial	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	Guarantee Term
When used in most JM PVC Systems*	Up to 25 years

*Contact JM Technical Services for specific systems.

Codes and Approvals



Installation/Application



Refer to JM PVC Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

Sizes	Coverage
6.5' x 75' (1.98 m x 22.86 m)	487.5 ft² (45.29 m²)
Widths	6.5'
Rolls per Pallet	9
Pallet Weight - lb (kg)	2331 (1057.3)
Pallets per Truck*	17
Producing Locations	Pawtucket, RI and Lancaster, SC

*Assumes 48' flatbed truck.

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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Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC – 72 mil MIN
Strength	Breaking Strength, min, lb/in. (N)	D 751	200 (890)	374
	Elongation at Break, min %	D 751	15	32
	Tearing Strength, min, lbf/in. (N)	D 751	45 (200)	79.0
	Seam Strength, min, % of breaking strength	D 751	75	100
	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	0.072
	Thickness Over Scrim, min, in.	D 7635	0.016	0.035
	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	.40
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