

Meets the requirements of ASTM D 4434, Type III

Features and Components

Advanced Solid Phase Polymer Formulation: Uses the optimal amount of Elvaloy® KEE (Ketone Ethylene Ester) polymer to: Ensure plasticizer retention; Extend roof life (*exceeds 39,000 hours of accelerated weathering testing (ASTM G 154 requires 5,000 hours)*); and to reduce maintenance costs.

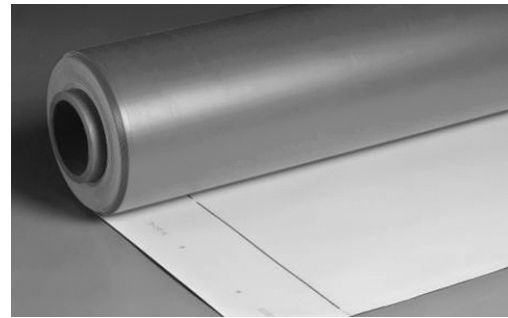
Patented Aramid-Reinforced Edge: Aramid fiber is woven into the fastening side of all full rolls of PVC membrane.

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

* Elvaloy® KEE is a registered trademark of Dow.



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	
<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

Energy and the Environment

Standard		Reflectivity	Emissivity
CRRC®	White	Initial	0.86
		3 Yr. Aged	0.82
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 MIN	5, 10, 15 or 20 yr NDL

Guarantee terms are for mechanically fastened and adhered systems.

Codes and Approvals



Installation/Application



Fully Adhered Mechanically Hot Air Weld

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

Packaging and Dimensions

Size	Coverage
6.5' x 75' (1.98 m x 22.86 m)	487.5 ft ² (45.29 m ²)
Widths	6.5'
Rolls per Pallet	9
Pallet Weight - lb (kg)	2672 (1212.0)
Pallets per Truck*	17
Producing Locations	Pawtucket, RI

*Assumes 48' flatbed truck.

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Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC – 80 mil MIN
Strength	Breaking Strength, min, lbf (N)	D 751	200 (890)	418 (1,859)
	Elongation at Break, min %	D 751	15	32
	Tearing Strength, min, lbf (N)	D 751	45 (200)	81 (360)
	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	0.080 (Minimal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.039
	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	97
	Elongation, % (after aging)	D 751	90	90
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.4
Weather Performance	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
	Cracking (@ 7x magnification)	G 154	No Cracks	Pass @ >39,000 hrs
	Discoloration (by observation)	G 154	Negligible	Negligible
	Crazing (@ 7x magnification)	G 154	No Crazing	Pass @ >39,000 hrs
	Moisture Vapor Transmission	ASTM E 96, Proc B, Method A		0.01 g/m ² per 24 hrs

Note: 80 mil MIN products offer a tighter thickness tolerance and will be manufactured no less than 80 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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