

Meets the requirements of ASTM D 4434, Type III

Features and Components

Advanced Solid Phase Polymer Formulation: Using the optimal amount of Elvaloy® KEE (Ketone Ethylene Ester) polymer to: ensure plasticizer retention, extend roof life (35,000 hours of accelerated weathering testing - ASTM G 154 requires 5,000 hours), and to reduce maintenance costs.

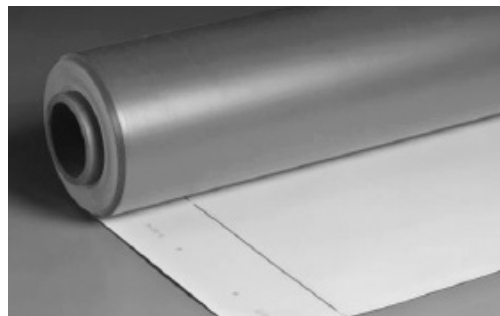
Patented Aramid-Reinforced Edge: Aramid fiber is woven into the fastening side of PVC membrane.

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 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	
Do not use in multi-ply systems									

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
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 adhered systems.

Codes and Approvals



Installation/Application



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

Packaging and Dimensions

Size	Coverage			
3.25' x 100' (1 m x 30.48 m)	325 ft² (30.19 m²)			
5' x 100' (1.52 m x 30.48 m)	500 ft² (46.45 m²)			
6.5' x 100' (1.98 m x 30.48 m)	650 ft² (60.38 m²)			
10' x 100' (3.05 m x 30.48 m)	1000 ft² (92.9 m²)			
Widths	3.25'	5'	6.5'	10'
Rolls per Pallet	24	9	12	12
Pallet Weight - lb (kg)	2592 (1175.7)	1485 (673.6)	2640 (1197.5)	4200 (1905.1)
Pallets per Truck*	17	8	17	8
Producing Locations	Pawtucket, RI and Lancaster, SC			

*Assumes 48' flatbed truck and does not reflect pallets of accessories or impact of mixed sizes.

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Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC – 50 mil
Strength	Breaking Strength, min, lbf (N)	D 751	200 (890)	342 (1,521)
	Elongation at Break, min %	D 751	15	27
	Tearing Strength, min, lbf (N)	D 751	45 (200)	88.6 (394)
	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	0.050 (Nominal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.022
	Water Absorption, max, %	D 570 modified	3.0	0.13
	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	91
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.19
Weather Performance	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
	Cracking (@ 7x magnification)	G 154	No Cracks	Pass @ 35,000 hrs
	Discoloration (by observation)	G 154	Negligible	Negligible
	Crazing (@ 7x magnification)	G 154	No Crazing	Pass @ 35,000 hrs
	Moisture Vapor Transmission	ASTM E 96, Proc B, Method A		0.02 g/m ² per 24 hrs

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.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.