

### 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 (*exceeded 40,000 hours of accelerated weathering testing - ASTM G 154 requires 5,000 hours*), and to reduce maintenance costs.

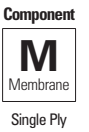
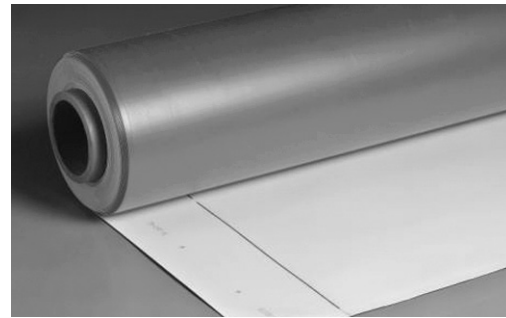
**Patented Aramid-Reinforced Edge:** Aramid fiber is woven into the fastening side of PVC membrane.

**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.

**Energy Savings:** The White, Grey ES and Sandstone ES provide exceptional reflectivity and emissivity for energy savings.

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.



#### Colors\*

Grey	Grey ES	Sandstone	Sandstone ES
White	Charcoal		

\* All colors not available as standard stocked items in all size configurations. Please call for minimums and lead times.

#### 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
<b>Do not use in multi-ply systems.</b>								

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<b>Compatible with the selected single ply systems above</b>										

**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
		3 Yr. Aged	0.70	0.82
	Sandstone ES	Initial	0.73	0.83
		3 Yr. Aged	0.58	0.82
	Grey ES	Initial	0.67	0.85
		3 Yr. Aged	0.54	0.82
CA Title 24	White	Pass	0.86	0.86
LEED® (SRI)	White	Initial		108
		3 Yr. Aged		84
	Sandstone ES	Initial		89
		3 Yr. Aged		67
	Grey ES	Initial		80
		3 Yr. Aged		61
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 30 years

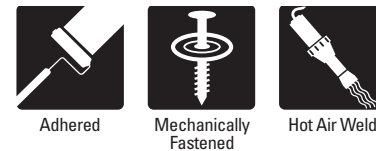
\* Elvaloy® KEE is a registered trademark of Dow.

\*\* 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

Size	Coverage				
3.25' x 75' (1 m x 22.86 m) (white only)	243.75 ft <sup>2</sup> (22.65 m <sup>2</sup> )				
5' x 75' (1.52 m x 22.86 m) (white only)	375 ft <sup>2</sup> (34.84 m <sup>2</sup> )				
6.5' x 75' (1.98 m x 22.86 m)	487.5 ft <sup>2</sup> (45.29 m <sup>2</sup> )				
10' x 75' (3.05 m x 22.86 m)	750 ft <sup>2</sup> (69.68 m <sup>2</sup> )				
12' x 75' (3.66 m x 22.86 m)**	900 ft <sup>2</sup> (83.61 m <sup>2</sup> )				
Widths	3.25'	5'	6.5'	10'	12'**
Rolls per Pallet	18	9	9	9	7
Pallet Weight - lb (kg)	2340 (1061.4)	1800 (816.5)	2340 (1061.4)	3825 (1735.0)	3500 (1,587.6)
Pallets per Truck*	17	16	17	8	8
Producing Locations	Pawtucket, RI and Lancaster, SC				

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

\*\*12' - call for availability, lead-time, and minimums.

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### Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC – 80 mil
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 (Nominal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.038
	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 @ >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 <sup>2</sup> 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](http://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](http://www.jm.com/terms-conditions).