

Meets the requirements of ASTM D 4434, Type III

Features and Components

Advanced Solid Phase Polymer Formulation: Uses the optimal amount of DuPont™ Elvaloy® KEE (Ketone Ethylene Ester) polymer to: Ensure plasticizer retention; Extend roof life (*exceeds 34,000 hours of accelerated weathering testing (ASTM G 154 requires 5,000 hours)*); and to reduce maintenance costs.

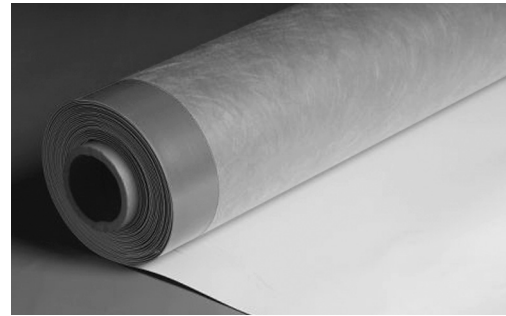
Patented Aramid-Reinforced Edge: Aramid fiber is woven into the fastening side of all full rolls of PVC membrane.

Spunbond 3.8 oz. Polyester Fleece Back Mat: Interlocking, multiple-layer, uniformly arranged continuous filament strands are needle punched with thousands of barbed needles, creating an extremely durable, strong yet light and flexible protection layer.

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.



Component

M
Membrane

Single Ply

Type

FB
Fleece Back

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	CA	HW	HA	CA	HW	SA	MF
Compatible with the selected Multi-Ply systems above*									

Single Ply	TPO		PVC		EPDM		
	MF	AD	MF	AD	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 AD = Adhered BA = Ballasted

*Can be used as a cap sheet in BUR and SBS systems when adhered using hot asphalt.

Energy and the Environment

Standard		Reflectivity	Emissivity
CRRC®	White	Initial	0.86
		3 Yr. Aged	0.70
	Sandstone ES	Initial	0.73
		3 Yr. Aged	0.58
	Grey ES	Initial	0.67
		3 Yr. Aged	0.54
CA Title 24	White	Pass	0.86
ENERGY STAR®	White	Initial	0.86
		3 Yr. Aged	0.70
	Sandstone ES	Initial	0.73
		3 Yr. Aged	0.58
	Grey ES	Initial	0.67
		3 Yr. Aged	0.54
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

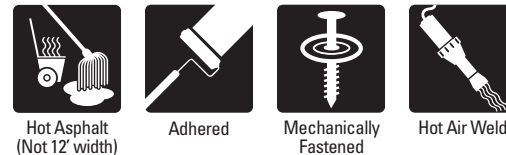
Product Thickness	Terms
80 mil	5, 10, 15 or 20 yr NDL

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

Sizes	Coverage	
6.33' x 75' (1.93 m x 22.86 m)	474.75 ft² (44.11 m²)	
12' x 75' (3.66 m x 22.86 m) (white only)	900 ft² (83.61 m²) (white only)	
Widths	6.33'	12'
Rolls per Pallet	10	7
Pallet Weight - lb (kg)	2740 (1242.8)	3843 (1743.2)
Pallets per Truck*	10	7
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 FB – 80 mil
Strength	Breaking Strength, min, lb/in. (N)	D 751	200 (890)	511 (2,273)
	Elongation at Break, min %	D 751	15	42
	Tearing Strength, min, lbf/in. (N)	D 751	45 (200)	84.6 (376)
	Seam Strength, min, % of breaking strength	D 751	75	93
	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	92
	Elongation, % (after aging)	D 751	90	94
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.2
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