

### 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.



<b>Component</b>
<b>M</b> Membrane
Single Ply
<b>Type</b>
<b>FB</b> Fleece Back

#### Colors\*

<b>Grey</b>	<b>Grey ES</b>	<b>Sandstone</b>	<b>Sandstone ES</b>
<b>White</b>	<b>Charcoal</b>		

\* 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	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
ENERGY STAR®	White	Initial	0.86	0.86
		3 Yr. Aged	0.70	
	Sandstone ES	Initial	0.73	0.83
		3 Yr. Aged	0.58	
	Grey ES	Initial	0.67	0.85
		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

Enhanced guarantees are now available on certain systems for wind and puncture. Consult your local sales representative for more information and for specific guarantee terms and costs.

Product	Guarantee Term
When used in most JM PVC Systems*	Up to 30 years

\*Contact JM Technical Services for specific systems.

#### 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.

#### Codes and Approvals



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).

Meets the requirements of ASTM D 4434, Type III

### 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 <sup>2</sup> per 24 hrs