

### 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



Single Ply

Type



#### Colors\*

Grey	Grey ES	Sandstone	Sandstone ES
White	Copper Brown	Patina Green	Dark Blue
Evergreen	Charcoal		

\* Grey and Sandstone are standard colors and do not require a minimum order but may require extended lead times up to eight weeks. Grey ES and Sandstone ES do not require minimum order quantities but lead times may be up to eight weeks. All other colors may be ordered in any sheet size or thickness but are special order and may require the following minimums and lead times:

- 6.33' sheets require 500 square minimum and a six week lead time
- All 12' wide FB sheets have eight week 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	CA	MF
	Do not use in Multi-Ply systems								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	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 FA = Fully Adhered BA = Ballasted

#### Energy and the Environment

Property		Color		
		White	Grey ES	Sandstone ES
Reflectivity	Initial	0.86	0.67	0.73
	3-Year Aged	0.70	0.54	0.58
Emissivity	Initial	0.86	0.85	0.83
	3-Year Aged	0.82	0.82	0.82
SRI	Initial	108	80	89
	Aged	84	61	67
Recycled Content		Post-consumer: 0% Post-industrial: 0%-10%		

**Note:** Solar reflectance tested for Title 24 by CRRC in accordance with ASTM test methods C 1549, E 1918 or E 903. Thermal emittance is measured in accordance with ASTM C 1371. For aged ratings, product samples are exposed for three years at the CRRC Approved Test Farm.

#### Peak Advantage® Guarantee Information

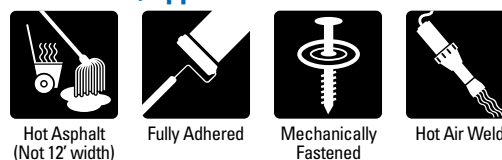
Product Thickness	Terms
50 mil – standard and fleece backed	5, 10 or 15 yr NDL

Guarantee terms are for mechanically fastened and fully 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 90' (1.93 m x 27.43 m)	569.7 ft² (52.93 m²)	
12' x 90' (3.66 m x 27.43 m)	1080 ft² (100.34 m²)	
Widths	6.33'	12'
Rolls per Pallet	10	7
Pallet Weight - lb (kg)	2140 (970.7)	3045 (1381.2)
Pallets per Truck*	14	8
Producing Locations	Pawtucket, RI and Lancaster, SC	

\*Assumes 48' flatbed truck.

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#### Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC FB – 50 mil
Strength	Breaking Strength, min, lb/in. (N)	D 751	200 (890)	436 (1,939)
	Elongation at Break, min %	D 751	15	40
	Tearing Strength, min, lbf/in. (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	0.02
	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	93
	Elongation, % (after aging)	D 751	90	95
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.3
Weather Performance	Accelerated Weathering, min	G 151 & G 154	5,000 hrs	
	Cracking (@ 7x magnification)	G 154	No Cracks	Pass @ >34,000 hrs
	Discoloration (by observation)	G 154	Negligible	Negligible
	Crazing (@ 7x magnification)	G 154	No Crazing	Pass @ >34,000 hrs
	Moisture Vapor Transmission	ASTM E 96, Proc B, Method A		0 g/m <sup>2</sup> per 24 hrs