JM PVC FB - 60 MIL / 60 MIL MIN

Fleece Backed Thermoplastic Polyvinyl Chloride Membrane

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.

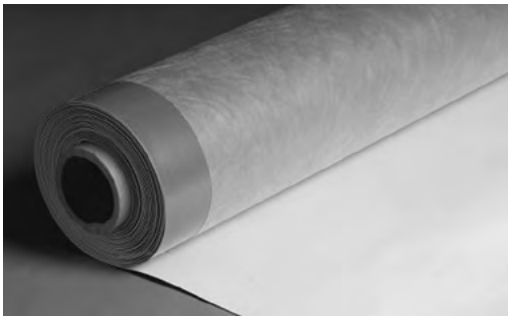
Patented Aramid-Reinforced Edge: Aramid fiber is woven into the fastening side of all full rolls of PVC membrane.

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	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. 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' sheets have the potential for up to an eight week lead time. All colors including Grey and Sandstone are special order and require minimums.

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	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

*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
	Gray 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	0.82
		3 Yr. Aged	0.70	
	Sandstone ES	Initial	0.73	0.83
		3 Yr. Aged	0.58	
	Gray 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	
	Gray 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
60 mil, 60 mil MIN	5, 10, 15 or 20 yr NDL

Guarantee terms are for mechanically fastened and fully adhered systems.

Codes and Approvals

CLASSIFIED UL US

FM APPROVED

MIAMI-DADE COUNTY APPROVED
Miami-Dade County Product Control Approved

Installation/Application


Hot Asphalt (Not 12' width)


Fully Adhered


Mechanically Fastened


Hot Air Weld

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) 60 mil 60 mil MIN	 2480 (1124.9) 2760 (1251.9)	 3490 (1583.0) 3871 (1755.9)
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.

RS-8925 9-15 (Replaces 10-14)

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Tested Physical Properties

Physical Properties		ASTM Test Method	ASTM Requirements	JM PVC FB – 60 mil
Strength	Breaking Strength, min, lb/in. (N)	D 751	200 (890)	457 (2,033)
	Elongation at Break, min %	D 751	15	33
	Tearing Strength, min, lbf/in. (N)	D 751	45 (200)	86.3 (384)
	Seam Strength, min, % of breaking strength	D 751	75	90
	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	0.060 (Nominal)
	Thickness Over Scrim, min, in.	D 7635	0.016	0.030
	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	90
	Elongation, % (after aging)	D 751	90	92
	Linear Dimensional Change, max, % (after 6 hrs @ 176°F)	D 1204	0.5	0.1
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		0.02 g/m^2 per 24 hrs

Note: 60 mil MIN products offer a tighter thickness tolerance and will be manufactured no less than 60 mil.

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