

Meets the requirements of ASTM D 4434, Type III

Features and Components

Advanced Solid Phase Polymer Formulation: Using the optimal amount of DuPont™ 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.

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.



Component

M
Membrane

Single Ply

Type

FB
Fleece Back

Colors

White

* 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 | |
| Compatible with the selected Multi-Ply systems above | | | | | | | | | |

| Single Ply | TPO | | | | PVC | | | EPDM | | |
|---|-----|----|----|----|-----|----|----|------|----|----|
| | MF | AD | SA | IW | MF | AD | IW | 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 IW = Induction Weld BA = Ballasted AD = Adhered
*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 |
| CA Title 24 | White | Pass | 0.86 |
| ENERGY STAR® | White | Initial | 0.86 |
| | | 3 Yr. Aged | 0.70 |
| LEED® (SRI) | White | Initial | 108 |
| | | 3 Yr. Aged | 84 |
| 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 | Terms |
|-----------------------------------|----------------|
| When used in most JM PVC Systems* | Up to 25 years |

*Contact JM Technical Service

Codes and Approvals



Installation/Application



Refer to JM PVC Application Guides and Detail Drawings for instructions.

Packaging and Dimensions

| | |
|-------------------------|--------------------------------|
| Size | 6.33' x 75' (1.93 m x 22.86 m) |
| Coverage | 474.75 ft² (44.11 m²) |
| Rolls per Pallet | 10 |
| Pallet Weight - lb (kg) | 2740 (1242.8) |
| Pallets per Truck* | 14 |
| Producing Locations | Pawtucket, RI |

*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 – 72 mil MIN |
|-----------------------|---|-----------------------------|----------------------|----------------------------------|
| 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 | 0.072 (Minimal) |
| | Thickness Over Scrim, min, in. | D 7635 | 0.016 | 0.035 |
| | 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 | 0.40 |
| 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 ² per 24 hrs |