

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.

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 | 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 |
| | 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

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



Hot Asphalt Adhered Mechanically Hot Air Weld

Refer to JM PVC application guides and detail drawings for instructions.

Hot asphalt application with 12' FB requires two hot installers to ensure the asphalt stays warm enough to receive the fleece.

Packaging and Dimensions

| Sizes | Coverage | |
|---|--|---------------|
| 6.33' x 75' (1.93 m x 22.86 m) | 474.75 ft ² (44.11 m ²) | |
| 12' x 75' (3.66 m x 22.86 m) (white only) | 900 ft ² (83.61 m ²) (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 | 6 |
| 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.

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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 @ >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 |