

### 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 | 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 | 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.

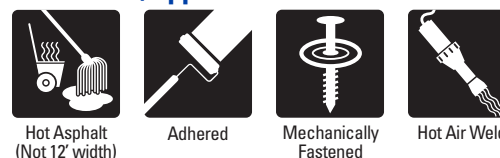
### Peak Advantage® Guarantee Information

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).

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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 @ >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 |