

JM PVC SD PLUS — 60 MIL MIN

Polyester-Reinforced Thermoplastic Polyvinyl Chloride Membrane

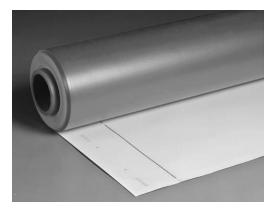
Meets the requirements of ASTM D 4434, Type III

Features and Components

Non-wicking Reinforced Polyester Scrim: Our fully integrated manufacturing process adds tensile strength and toughness. Edge sealant is not a requirement for cut edges.

Excellent Chemical Resistance: JM PVC is inherently resistant to oils, air conditioning coolants, fuels and grease.

Energy Savings: The white membranes provide exceptional reflectivity and emissivity for energy savings.



Membrane Component

Single Ply

Color

White

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

| PI | BUR | APP | | SBS | | | | |
|---------------------------------|-----|-----|----|-----|----|----|----|----|
| Julfi-I | HA | CA | HW | HA | CA | HW | SA | MF |
| Do not use in multi-ply systems | | | | | | | | |

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

Energy and the Environment

| | Standard | Reflectivity Emissivity | | | |
|-------------|-----------------|-------------------------|----------|------|--|
| CRRC® | White | Initial | 0.86 | 0.86 | |
| CUUC | | 3 Yr. Aged | 0.70 | 0.82 | |
| CA Title 24 | White | Pass | 0.86 | 0.86 | |
| ENERGY | White | Initial | 0.86 | 0.86 | |
| STAR® | | 3 Yr. Aged | 0.70 | | |
| LEED® | White | Initial | 108 | | |
| (SRI) | | 3 Yr. Aged | 8 | 4 | |
| Recycled | Post-consumer | | 0% | | |
| Content | Post-industrial | | 0% - 10% | | |

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

Peak Advantage® Guarantee Information

| Product Thickness | | Terms | | | |
|-------------------|------------|------------------------|--|--|--|
| | 60 mil MIN | 5, 10, 15 or 20 yr NDL | | | |

Guarantee terms are for mechanically fastened and fully adhered systems. Mixed-membrane jobs – JM PVC SD Plus and JM PVC (KEE) – will not be eligible for a JM Peak Advantage Guarantee. JM PVC SD Plus is not compatible with JM PVC and should not be used in JM PVC Systems.

Codes and Approvals





Installation/Application







Adhered Mech

Mechanically Hot A

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

Packaging and Dimensions

| Size | 10' x 100' (3.05 m x 30.48 m) | | |
|-------------------------|---------------------------------|--|--|
| Coverage | 1000 ft² (92.96 m²) | | |
| Widths | 10' | | |
| Rolls per Pallet | 9 | | |
| Pallet Weight - Ib (kg) | 3865 (1753.1) | | |
| Pallets per Truck* | 8 | | |
| Producing Locations | Lancaster, SC and Pawtucket, RI | | |

^{*}Assumes 48' flatbed truck.

JM PVC SD Plus is not compatible with JM PVC membrane and should not be used in JM PVC membrane systems.



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Manufactured Physical Properties

| Physic | cal Properties | ASTM Test Method | ASTM Requirements | 60 mil MIN Result |
|--------------------------|-----------------------------------------------------------|---------------------|----------------------|----------------------|
| | Breaking Strength, min, lbf/in (N) | D 751 | 200 (890) | 240 (1,068) |
| | Elongation at Break, min, % | D 751 | 15 | 15 |
| Strength | Tearing Strength, min, lbf (N) | D 751 | 45 (200) | 45 (200) |
| Stre | Seam Strength, min, % of breaking strength | D 751 | 75 | 80 |
| | Static Puncture Resistance lbf (kg) | D 5602 | Pass @ 33 (15) | Pass |
| | Dynamic Puncture Resistance J | D 5635 | Pass @ 20 | Pass |
| | Thickness, min, in. | D 751 | +/- 10% from Nominal | 0.060 Minimal |
| Longevity | Thickness Over Scrim, min, in. | D 7635 | 0.016 | 0.025 |
| Long | Change in Weight After Immersion in Water, max, % | D 570 modified | 3.0 | 3.0 |
| | Low Temperature Bend, °F | D 2136 | No cracks @ -40° F | Pass |
| | Properties after Heat Aging, min | D 3045 | 56 days @ 176° F | |
| ged | Breaking Strength, % | D 751 | 90 | >90 |
| Heat Aged Performance | Elongation, % | D 751 | 90 | >90 |
| Per | Linear Dimensional Change, max, % after 6 hrs @ 176° F | D 1204 | 0.5 | <0.5 |
| ø | Accelerated Weathering, min | G 151 & G 154 | 5,000 hrs | |
| ther | Cracking (@7x magnification) | G 154 | No cracks | Pass |
| Weather Performance | Discoloration (by observation) | G 154 | Negligible | Negligible |
| 4 | Crazing (@7x Magnification) | G 154 | No crazing | Pass |