

EverGuard® PVC 80 mil XK Fleece-back Membrane

Applicable Standards

UL Listed, FM Approved, ASTM D4434, Title 24 Compliant, Miami-Dade County Product Control Approved, Florida Building Code Approved, and ENERGY STAR® Qualified.*

| Physical Properties | Test Method | ASTM Minimum | EverGuard® PVC 80 mil XK Fleece-back Membrane Typical Test Data |
|--|---|--|---|
| 1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance. | | | |
| Scrim | Polyester - Designed for mechanically attached or fully adhered roofing | | |
| Thickness | ASTM D751 | 0.046" (1.14 mm) | 0.080" (2.03 mm) |
| Thickness over Scrim | ASTM D751 | 0.016" (0.40 mm) | 0.016" (0.40 mm) |
| Tensile Strength | ASTM D4434 | 200 lbf (298 kg/m) (MD & CMD) | 255 lbf (380 kg/m) (MD) & 265 lbf (395 kg/m) (CMD) |
| Tear Strength | ASTM D4434 | 45 lbf (67 kg/m) (MD & CMD) | 50 lbf (75 kg/m) (MD & CMD) |
| Elongation at Break | ASTM D4434 | 15% (MD & CMD) | 30% (MD & CMD) |
| Breaking Strength after Heat Aging | ASTM D3045 | 90% | 90% |
| Elongation at Break after Heat Aging | ASTM D3045 | 90% | 90% |
| Low Temperature Bend | ASTM D2136 | -40°C | Pass |
| Change in Weight after Water Immersion | ASTM D570 | ±3% | ±3% |
| Seam Strength | ASTM D751 | 75% (Percentage of tensile or breaking strength) | 75% (Percentage of tensile or breaking strength) |
| Dimensional Stability | ASTM D1204 | ≤0.50% | ≤1% |
| Static Puncture Resistance | ASTM D5602 | Pass | Pass |
| Dynamic Puncture Resistance | ASTM D5635 | Pass | Pass |
| Accelerated Weathering | ASTM G151 & G155 | Pass | No surface cracking or crazing, negligible discoloration |
| Solar Reflectivity | ASTM C1549 | No specific minimum listed per ASTM or specification | 0.87 (initial white)/0.76 (aged white) |
| Emissivity | ASTM E903 | No specific minimum listed per ASTM or specification | 0.87 (initial white)/0.84 (aged white) |
| Solar Reflective Index (SRI) | ASTM E903 | No specific minimum listed per ASTM or specification | 110 (initial white)/93 (aged white) |
| Guarantee | | | |
| 20 Years (Mechanically Attached & Fully Adhered) | | | |

*ENERGY STAR® only valid in the U.S.

Product Data

| | | | | | |
|---|---|----------------------------------|-------------------------|---------------------------------|-------------------------|
| Roll Size | Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation. | | | | |
| | Colors | Full Sheet | Full-Roll Weight | Half Sheet | Half-Roll Weight |
| | White, Tan, and Gray | 120" x 75' (3.05 m x 22.86 m) | 632 lb. (287 kg) | 76" x 75' (1.93 m x 22.86 m) | 300 lb. (136 kg) |
| Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded. | | | | | |
| Storage | Store rolls on their sides on pallets or shelving in a dry area. | | | | |
| Safety Warning | Membrane rolls are heavy. Position and install by at least two people. | | | | |