

EverGuard® PVC 80 mil Fleece-Back Membrane Information Sheet

Updated: 8/17



*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*



EVERGUARD® PVC FLEECE-BACK

MEMBRANE
L
I
N
E
O
O

Why PVC

- Heat-welded seams
- White reflective color
- Tear/puncture resistance
- Increased chemical resistance
- Excellent flexibility
- UV and ozone resistance

Why GAF EverGuard® PVC

- GAF has 130+ years of experience in the roofing industry
- Guarantees are available up to 25 years when using EverGuard® PVC 80 mil Fleece-Back Membrane*
- Factory-applied polyester fleece provides additional protection to the membrane, offering a variety of benefits including:
 - a. Doesn't require a slip sheet when re-covering over a variety of roofs
 - b. Provides enhanced puncture resistance, especially in areas prone to hail
- Increase efficiencies 2–3 times when installing fleece-back with GAF 2-Part Roofing Adhesive (compared to standard PVC adhesives)
- Heat-welded seams for greater reliability
- Easy, three-step installation to reduce the chance of application errors
- High reflectivity for greater energy savings
- Simple repair to reduce your ongoing maintenance costs

Installation

EverGuard® PVC 80 mil Fleece-Back Membrane is suitable for several types of single-ply systems:

- Mechanically Attached Application... for a quick and cost-effective system that can be installed practically year-round.

- Adhered Application... can be installed with EverGuard® WB181 Bonding Adhesive (water based). Provides excellent wind uplift performance and qualifies for the longest guarantee available.*
- LRF-O Adhesive... two-part low-rise polyurethane foam adhesive that is low VOC and accommodates minor surface irregularities. Available in a cartridge or 5-gallon (18.9 l) container.
- LRF-M Adhesive... two-part low-rise polyurethane foam adhesive that is low VOC and accommodates minor surface irregularities. Can also be used for ISO insulation applications. Available in a cartridge or 5-gallon (18.9 l) container.
- 2-Part Roofing Adhesive... self-contained low-rise foam dispensing kit, offering 20 squares per kit so there are fewer changeovers. Cost effective since you don't need spray equipment and no downtime/maintenance worries. Can also be used for insulation applications. Qualifies for the longest guarantees* and is low VOC compliant.
- EverGuard® WB181 Bonding Adhesive does not produce an odor and can be used during installations on occupied buildings such as hospitals.
- LRF-M, LRF-O, and GAF 2-Part Roofing Adhesives are all low VOC compliant.
- LRF-M & GAF 2-Part Roofing Adhesives can also be used as insulation adhesives.
- GAF 2-Part Roofing Adhesive offers an added benefit because of its spatter pattern, which results in complete coverage for the membrane.

Accessories

Field fabrication of PVC accessories is time consuming, costly, and inconsistent, and can lead to unreliable details that compromise a watertight roofing system. EverGuard® PVC prefabricated accessories deliver consistent quality and eliminate the worry and problems often associated with field fabrication. They can also boost productivity up to 200%,** while reducing installed cost by up to 12%.

*See applicable guarantee for complete coverage and restrictions.
**Based on GAF estimate to field-fabricate flashing details.

Quality You Can Trust... From North America's Largest Roofing Manufacturer!™

gaf.com



ENERGY STAR®
only valid in the USA



EverGuard® PVC 80 mil Fleece-Back Membrane

Applicable Standards ASTM D4434 Type IV, UL Listed, FM Approved

| Physical Properties | Test Method | ASTM Minimum | EverGuard® PVC 80 mil 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. | | | |
| Nominal Thickness | ASTM D751 | .045" (1.14 mm) | 0.08" (2 mm) |
| Thickness over Scrim | ASTM D7635 | 0.016" (0.40 mm) | 0.030" (0.76 mm) |
| Breaking Strength | ASTM D751 | 200 lbf (298 kg/m) (MD & CMD) | >410 lbf (610 kg/m) |
| Elongation at Break | ASTM D751 | 15% (MD & CMD) | 25% |
| Seam Strength | ASTM D751 | 75% (Percentage of tensile or breaking strength) | Pass |
| Tear Strength | ASTM D751 | 45 lbf (MD & CMD) (67 kg/m) | Pass |
| Low Temperature Bend | ASTM D2136 | -40°C | Pass |
| Accelerated Weathering | ASTM G154 [†] | Pass | >38,360 kJ/m ² |
| Dimensional Stability | ASTM D1204 | ≤0.50% | 0.50% |
| Change in Weight after Water Immersion | ASTM D570 | +/-3% | Pass |
| Static Puncture Resistance | ASTM D5602 | Pass | Pass |
| Dynamic Puncture Resistance | ASTM D5635 | Pass | Pass |
| Breaking Strength after Heat Aging | ASTM D3045 | 90% | Pass |
| Elongation at Break after Heat Aging | ASTM D3045 | 90% | Pass |
| Solar Reflective Index (SRI) | ASTM E903 | N/A | 110 |
| Solar Reflectivity (White) Initial/Aged* | ASTM C1549 | N/A | 0.87/0.806 |
| Emissivity (White) Initial/Aged* | ASTM E903 | N/A | 0.88/0.89 |

[†]At an irradiance level of 1.55 W/(m².nm) at 340 nm
*Using CRRC Rapid Ratings

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 | 120" x 100' (3.05 m x 30.5 m) | 430.8 lb. (195.4 kg) | 60" x 100' (1.52 m x 30.5 m) | 215.4 lb. (97.7 kg) |
| Storage | Note: Membrane rolls shipped horizontally on pallets, stacked in a pyramid. | | | | |
| Safety Warning | Membrane rolls are heavy. Position and install by at least two people. | | | | |

Contact your local representative for details

RhinoBond® is a registered trademark of OMG.