

EverGuard® PVC 80 mil XK Fleece-back Membrane Sell Sheet

Updated: 1/16



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



EverGuard[®] PVC (XK Fleece-back)

SINGLE-PLY ROOFING SYSTEMS



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 129 years of experience in the roofing industry
- EverGuard[®] PVC has over 20 years of experience in the field
- Guarantees are available up to 20 years when using EverGuard[®] PVC 80 mil XK 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 more 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
- The addition of KEE to replace plasticizers for better weathering characteristics

Installation

EverGuard[®] PVC 80 mil XK 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 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 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 ISO 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 use as insulation adhesives.
- GAF 2-Part Roofing Adhesive offers an added benefit because of its splatter 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.

MEMBRANE

1

2

3

4

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ENERGY STAR[®]
only valid in the USA



California
Title 24
Compliant



PVC membranes meet the performance requirements of ICC ER-6030

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.				