

# **EverGuard® PVC 50 mil Fleece-Back Membrane Information Sheet**

Updated: 8/17



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North America's Largest Roofing Manufacturer!™*



# EVERGUARD® PVC FLEECE-BACK

# MEMBRANE 50 MIL

## 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 15 years when using EverGuard® PVC 50 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 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

## Installation

EverGuard® PVC 50 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.

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ENERGY STAR®  
only valid in the USA



# EverGuard® PVC 50 mil Fleece-Back Membrane

## Applicable Standards

**ASTM D4434 Type IV, UL Listed, FM Approved**

Physical Properties	Test Method	ASTM Minimum	EverGuard® PVC 50 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)	0.05" (1.27 mm)
Thickness over Scrim	ASTM D7635	0.016" (0.40 mm)	0.02" (0.51 mm)
Breaking Strength	ASTM D751	200 lbf (298 kg/m) (MD & CMD)	>360 lbf (535.7 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 <sup>†</sup>	Pass	>38,360 KJ/m <sup>2</sup>
Dimensional Stability	ASTM D1204	≤0.50%	0.30%
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

<sup>†</sup>At an irradiance level of 1.55 W/(m<sup>2</sup>.nm) at 340 nm  
\*Using CRRC Rapid Ratings

## Product Data

<b>Roll Size</b>	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	<b>Colors</b>	<b>Full Sheet</b>	<b>Full-Roll Weight</b>	<b>Half Sheet</b>	<b>Half-Roll Weight</b>
	White	120" x 100' (3.05 m x 30.5 m)	382.5 lb. (191.6 kg)	60" x 100' (1.52 m x 30.5 m)	191.25 lb. (86.8 kg)
<b>Storage</b>	Note: Membrane rolls shipped horizontally on pallets, stacked in a pyramid.				
<b>Safety Warning</b>	Membrane rolls are heavy. Position and install by at least two people.				

Contact your local representative for details

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