

# **EverGuard® PVC 50 mil Smooth Membrane Information Sheet**

Updated: 8/17



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



# EVERGUARD<sup>®</sup> PVC

# 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<sup>®</sup> PVC

- GAF has 130+ years of experience in the roofing industry
- Guarantees are available up to 15 years when using EverGuard<sup>®</sup> PVC 50 mil Smooth Membrane\*
- 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<sup>®</sup> PVC 50 mil Smooth Membrane is suitable for all types of single-ply systems:

- Mechanically Attached Application... for a quick and cost-effective system that can be installed practically year-round.
- RhinoBond<sup>®</sup> Application... achieves the look and performance of a fully adhered roof at nearly the cost of a mechanically attached system. Qualifies for the same guarantee length as an adhered system.\*

- Adhered Application... installed with EverGuard<sup>®</sup> 2331 Bonding Adhesive (solvent based), which results in a smooth appearance and is low VOC compliant. Provides excellent wind uplift performance and qualifies for the longest guarantee available.\*

## 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<sup>®</sup> 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%.

Fluted Corner

Inside Corner



T-Joint Cover Patch

Conical Pipe Boot

Split Pipe Boot

Square Tube Wrap

\*See applicable guarantee for complete coverage and restrictions.  
 \*\*Based on GAF estimate to field-fabricate flashing details.  
 Note: RhinoBond<sup>®</sup> is a registered trademark of OMG, Inc.

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ENERGY STAR<sup>®</sup>  
only valid in the USA



# EverGuard® PVC 50 mil Smooth Membrane

## Applicable Standards

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

Physical Properties	Test Method	ASTM Minimum	EverGuard® PVC 50 mil Smooth 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)	>270 lbf (402 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)	350.6 lb. (161.5 kg)	60" x 100' (1.52 m x 30.5 m)	175.25 lb. (79.5 kg)
<b>Storage</b>	Note: Membrane rolls shipped horizontally on pallets, stacked with two layers of four rolls.				
<b>Safety Warning</b>	Membrane rolls are heavy. Position and install by at least two people.				

Contact your local representative for details