

EverGuard® PVC 50 mil Smooth Membrane Sell Sheet

Updated: 1/16



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



EverGuard[®] PVC (Smooth)

SINGLE-PLY ROOFING SYSTEMS

MEMBRANE
50 MIL



- Adhered Application... installed with EverGuard[®] 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.*

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 12 years when using EverGuard[®] PVC 50 mil 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

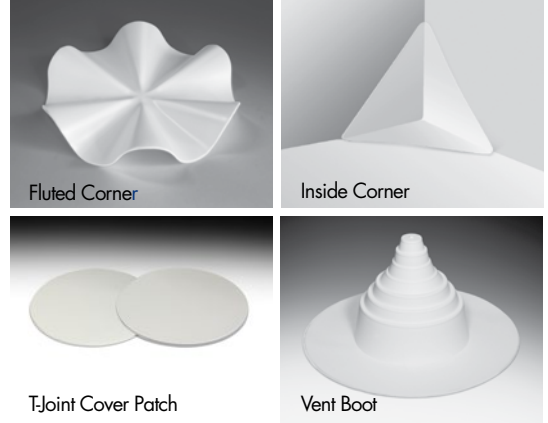
Installation

EverGuard[®] 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[®] 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.*

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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gaf.com



California Title 24 Compliant



PVC membranes meet the performance requirements of ICC ER-6030

EverGuard® PVC 50 mil Smooth 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 50 mil Smooth Membrane Typical Test Data
Scrim	Polyester - Designed for mechanically attached or fully adhered roofing		
Thickness	ASTM D751	0.046" (1.14 mm)	.050" (1.27 mm)
Thickness over Scrim	ASTM D751	0.016" (0.40 mm)	0.016" (0.40 mm)
Accelerated Weathering	ASTM G151 & G155	Pass	Pass
Breaking Strength	ASTM D4434	200 lbf (298 kg/m) (MD & CMD)	255 lbf (380 kg/m) (MD) & 265 lbf (394.9 kg/m) (CMD)
Breaking Strength after Heat Aging	ASTM D3045	90%	90%
Change in Weight after Water Immersion	ASTM D570	±3%	±3%
Dimensional Stability	ASTM D1204	≤0.50%	0.40%
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass
Elongation at Break	ASTM D4434	15% (MD & CMD)	Pass
Elongation at Break after Heat Aging	ASTM D3045	90%	90%
Low Temperature Bend	ASTM D2136	-40°C	Pass
Seam Strength	ASTM D751	75% (Percentage of tensile or breaking strength)	75% (Percentage of tensile or breaking strength)
Static Puncture Resistance	ASTM D5602	Pass	Pass
Tear Strength	ASTM D4434	45 lbf (MD & CMD) (67 kg/m)	≥45 lbf (MD & CMD) (67 kg/m)
Solar Reflective Index (SRI)	ASTM E903	60" (1.52 m) & 120" (3.05 m)	110 (initial white)/93 (aged white)
	ASTM E903	40.5" (1.03 m) & 81" (2.06 m)	111 (initial white)/72 (aged white)
Solar Reflectivity	ASTM C1549	60" (1.52 m) & 120" (3.05 m)	0.87 (initial white)/0.76 (aged white)
	ASTM C1549	40.5" (1.03 m) & 81" (2.06 m)	0.87 (initial white)/0.61 (aged white)
Emissivity	ASTM E903	60" (1.52 m) & 120" (3.05 m)	0.87 (initial white)/0.84 (aged white)
	ASTM E903	40.5" (1.03 m) & 81" (2.06 m)	0.95 (initial white)/0.86 (aged white)
Guarantee			
12 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	81" x 100' (2.06 m x 30.5 m)	218 lb. (99 kg)	40.5" x 100' (1.03 m x 30.5 m)	109 lb. (49 kg)
120" x 100' (3.05 m x 30.5 m)		342 lb. (155 kg)	60" x 100' (1.52 m x 30.5 m)	205 lb. (93 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.				