

EverGuard® PVC 80 mil Smooth Membrane Information Sheet

Updated: 8/17



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



EVERGUARD[®] PVC

MEMBRANE 80 MIL SMOOTH

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 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[®] PVC 80 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.*

- 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.*

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%.

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[®] is a registered trademark of OMG, Inc.

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ENERGY STAR[®]
only valid in the USA



EverGuard® PVC 80 mil Smooth Membrane

Applicable Standards

ASTM D4434 Type III, UL Listed, FM Approved

Physical Properties	Test Method	ASTM Minimum	EverGuard® PVC 80 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)	0.08" (2 mm)
Thickness over Scrim	ASTM D7635	0.016" (0.40 mm)	0.03" (0.76 mm)
Breaking Strength	ASTM D751	200 lbf (298 kg/m)(MD & CMD)	>325 lbf (484 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/m²
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 80' (3.05 m x 24.38 m)	422.5 lb. (191.6 kg)	60" x 80' (1.52 m x 24.38 m)	211.25 lb. (95.8 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

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