EverGuard® PVC Membrane

Time-tested PVC roof systems technology for premium performance, durability, and flexibility

Features:

- **Excellent long-term weathering and UV resistance** in ASTM D4434 and G154/155 testing
- **Superior fire performance** compared to other non-PVC single-ply roofing technologies**
- **Excellent seam strength:** Heat-welded seams provide greater seam strength compared to taped seams
- **Seam integrity**: Positive bleed-out provides a visual indication of welding
- **Increased protection against chemicals** compared to TPO, EPDM, and asphaltic†
- **High flexibility,** which is great for use on difficult contours and curves
- **Potential cooling cost*** and urban heat island effect reductions, thanks to a highly reflective and emissive white surface (white membranes only).
- **Easy to install due to:**
  - Complete line of prefabricated accessories§
  - 10'- (3.05 m) wide sheets
  - Fast installation with EverGuard® PVC Quick Lay Adhesive and PVC Quick Spray Adhesive
- **Guarantees are available up to 30 years** for qualified systems‡
- **Colors**: Available in White, Gray, Tan, Energy Gray, and Energy Tan

Application:

- **Mechanically attached application** for a quick and cost-effective system that can be installed practically year-round
- **RhinoBond® application** can be applied without using adhesives and installed practically year-round. Qualifies for the same guarantee length as an adhered system.‡
- **Adhered application** can be installed with EverGuard® #2331 Bonding Adhesive, PVC Quick Spray Adhesive, or EverGuard® PVC Quick Lay Adhesive (water-based) for smooth appearance

PVC-specific training:

In addition to unmatched technical support, we offer comprehensive PVC-specific training including on-demand video content, a remote training trailer, and hands-on or virtual GAF CARE classes.

For PVC KEE membrane rolls only††

ASSEMBLED IN THE U.S.A.
AMERICAN JOBS
IN AMERICAN FACTORIES.

Accessories§:

EverGuard® PVC prefabricated accessories deliver consistent quality and eliminate the worry and problems often associated with field fabrication. They can also boost productivity while reducing labor.

- Coated Speedtite™ and Hercules® Drain
- Corner Curb Wrap
- Fluted Corner
- Inside Corner
- Preformed Split Pipe Boot
- Conical Vent Boot
- Preformed Vent Boot
- PVC Membrane Cleaner
- Scupper
- Split Pourable Sealant Pocket
- Square Tube Wrap
- T-Joint Cover Patches
- Universal Corner
- Vent
- Walkway Roll

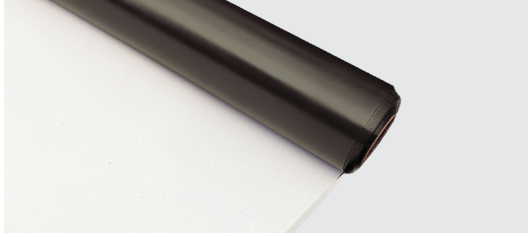
For a complete list of EverGuard® PVC Accessories, visit gaf.com

* Energy cost savings are not guaranteed and the amount of savings may vary based on climate zone, utility rates, radiative properties of roofing products, insulation levels, HVAC equipment efficiency, and other factors.
† GAF warranties and guarantees do not provide coverage against chemical exposure or exposure to grease, animal fats, and jet fuel. Refer to gaf.com for more information on warranty and guarantee coverage and restrictions.
‡ Additional requirements apply. Contact GAF for more information.
§ Accessory products are not FM Approved or Classified by UL.
** In Class A E108 testing, specific EverGuard PVC roofing assemblies have demonstrated the capability to extinguish even when the flame source remains applied to the assembly.
†† Excludes PVC accessories.
Note: RhinoBond® is a registered trademark of OMG, Inc.

For additional information, contact GAF Design Services at **1-877-423-7663** or **designservices@gaf.com**

We protect what matters most™

EverGuard®
PVC
Membrane



Physical Properties (ASTM D 4434 – 21 Type III)

Type	ASTM Test Method	D4434 Type III Min	EverGuard® PVC Test Values (approx.)*		
			50 mil	60 mil	80 mil
Overall Thickness	ASTM D751	45 mil (1.14 mm)	50 mil (1.27 mm)	60 mil (1.52 mm)	80 mil (2.03 mm)
Thickness over Scrim	ASTM D7635	16 mil (0.41 mm)	24 mil (0.61 mm)	30 mil (0.76 mm)	36 mil (0.91 mm)
Breaking Strength	ASTM D751	200 lbf/in. (890 N)	322 lbf (1,432 N) MD / 285 lbf (1,268 N) CD	336 lbf (1,495 N) MD / 302 lbf (1,343 N) CD	359 lbf (1,597 N) MD / 330 lbf (1,468 N) CD
Elongation at Break	ASTM D751	15% MD / 15% CD	33% x 33.4%	33.6 x 33.6%	37.1 x 35%
Factory Seam Strength	ASTM D751	75%	99.35%	106.40%	127.70%
Breaking Strength after Heat Aging	ASTM D3045	90%	115 x 119%	113 x 105%	90% min
Elongation at Break after Heat Aging	ASTM D3045	90%	95 x 91%	118 x 118%	90% min
Tear Strength	ASTM D751	45 lbf (200.2 N)	134.5 lbf (598 N) MD / 118.3 lbf (526 N) CD	139 lbf (618 N) MD / 124 lbf (552 N) CD	124 lbf (552 N) MD / 125 lbf (556 N) CD
Low-Temperature Bend	ASTM D2136	Pass @ -40°F (-40°C)	Pass @ -40°F (-40°C)	Pass @ -40°F (-40°C)	Pass @ -40°F (-40°C)
Xenon Arc WOM Accelerated Weathering (Tested at 0.7 W/m² in comparison to G155 min of 0.35 W/m²)	ASTM G155	5,000 h (6,300 kJ/m²)	>34,900 h (>88,000 kJ/m²)	>34,900 h (>88,000 kJ/m²)	>34,900 h (>88,000 kJ/m²)
Fluorescence QUV Accelerated Weathering (Tested at 1.55 W/m² in comparison to G154 min of 0.68 W/m²)	ASTM G154	5,000 h (12,240 kJ/m²)	>42,800 h (>239,000 kJ/m²)	>42,800 h (>239,000 kJ/m²)	>42,800 h (>239,000 kJ/m²)
Linear Dimensional Change	ASTM D1204	≤0.5%	-0.24%	-0.27%	-0.28%
Change in Weight after Water Immersion	ASTM D570	±3.0%	0.00%	1%	<3%
Static Puncture Resistance	ASTM D5602	33 lbf (145 N)	33 lbf (145 N)	33 lbf (145 N)	33 lbf (145 N)
Dynamic Puncture Resistance	ASTM D5635	20 J (14.7 ft-lbf)	20 J (14.7ft-lbf)	20 J (14.7ft-lbf)	20 J (14.7ft-lbf)

Sustainability Ratings/Certifications

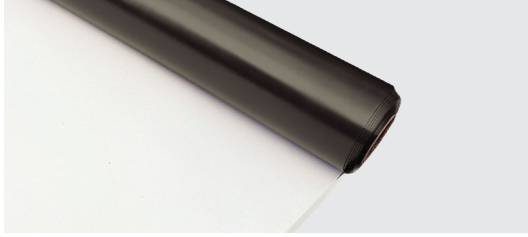
CRRC COOL ROOF RATING COUNCIL

The ratings below are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations. CRRC ages membranes for 3 years, unless otherwise noted.

Product ID#	Type	Solar Reflectance	Thermal Emittance	Solar Reflectance Index (SRI)
	ASTM Test Method	ASTM C1549	ASTM E903	ASTM E903
White 0676-0134a	Initial	0.87	0.87	110
	Aged	0.70	0.88	86
Tan 0676-0168	Initial	0.74	0.88	91
	Aged*	0.66	0.88	80
Gray 0676-0169	Initial	0.58	0.88	69
	Aged*	0.53	0.88	61
Energy Gray 0676-0170	Initial	0.75	0.88	92
	Aged*	0.67	0.88	82

* Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.

EverGuard® PVC Membrane



LEED Information

Manufacturing Location	Cedar City, UT

Applicable Standards/Approvals

CLASSIFIED UL	Classified by UL in accordance with ANSI/UL 790, including as a component of Class A fire resistance rated roofing assemblies. Refer to UL Product iQ for specific assemblies.	Can be used to comply with 2022 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations
		Meets or exceeds the requirements of ASTM D4434, Type III
FM APPROVED	FM Approved Refer to Roofnav.com for actual assemblies	ICC-ES 5430

Product Data

Roll Size	Colors	Full Roll Size	Full Roll Weight (Average)	Half Roll Size	Half Roll Weight (Average)
50 mil	White, Gray, Tan, Energy Gray, and Energy Tan	10′ x 100′ (3.05 m x 30.48 m)	318.0 lb. (144 kg)	5′ x 100′ (1.52 m x 30.48 m)	159.0 lb. (72 kg)
60 mil		10′ x 100′ (3.05 m x 30.48 m)	398.0 lb. (181 kg)	5′ x 100′ (1.52 m x 30.48 m)	199.0 lb. (90 kg)
80 mil		10′ x 80′ (3.05 m x 24.38 m)	422.0 lb. (191 kg)	5′ x 80′ (1.52 m x 24.38 m)	211.0 lb. (96 kg)
Storage	Store on pallets in a clean, dry area at temperatures below 100°F (38°C). Materials should not be double-stacked and must remain on the pallet until use in a shaded, ventilated area. Materials should be covered with a light-colored tarp to protect from the elements.				
Safety Warning	Membrane rolls are heavy. Employ at least two people to position and install.				

Note: Membrane rolls shipped horizontally on pallets.

For additional information, contact GAF Design Services at **1-877-423-7663** or **designservices@gaf.com**

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