EverGuard® PVC Fleece-Back Membrane

Factory-applied polyester fleece helps increase durability and reduce installation labor

Features:

- **Premium performance**
- **High flexibility,** which is great for use on difficult contours and curves
- **Provides enhanced puncture resistance** against foot traffic, hail, and other impacts*
- **Does not require a slip sheet** when installed over a variety of existing roof systems
- **Robust protection** against chemical exposure†
- **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
- **Excellent long-term weathering and UV resistance** in ASTM D4434 and G154/155 testing
- **Superior fire performance**‡
- **Potential reduction of cooling costs**§ and urban heat island effects, 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 low rise foam or EverGuard® WB 181 Bonding Adhesive (water based)
- **Guarantees are available up to 30 years** for qualified systems‡‡
- **Colors**: Available in White, Gray, Tan, and Energy Gray

Application:

- **Mechanically attached application** for a quick and cost-effective system that can be installed practically year-round
- **Adhered** — effective with EverGuard® WB181 Bonding Adhesive (water-based) or hot asphalt for a smooth appearance and excellent wind uplift
- **LRF Adhesive O** — low-rise foam that's low-VOC, ideal for minor surface irregularities, and available in a cartridge or 5-gallon container
- **LRF Adhesive M** — low-rise foam that's similar to LRF-O and can also be used for ISO insulation applications
- **GAF LRF Adhesive XF** — 2- part low-rise foam that's Low-VOC, ideal for minor surface irregularities, and can adhere up to 24 squares of Fleece-Back Membrane when installed in accordance with GAF's application instructions
- **OlyBond 500 Adhesive Fastener** — 2-part low-rise foam that's Low-VOC, ideal for minor surface irregularities, and can adhere up to 24 squares of Fleece-Back Membrane when installed in accordance with GAF's application instructions

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.

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
- PVC Membrane Cleaner
- Conical Vent Boot
- Preformed Vent Boot
- 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

* GAF warranties and guarantees do not provide coverage against hail or punctures except where additional puncture-resistance coverage is purchased on eligible jobs. Refer to gaf.com for more information on warranty and guarantee coverage and restrictions.

† 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.

‡ 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.

§ 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.

‡‡ Additional requirements apply. Contact GAF for more information.

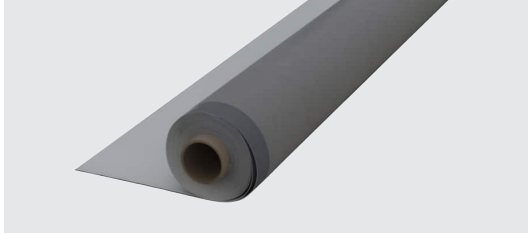
** Accessory products are not FM Approved or Classified by UL.

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 Fleece-Back Membrane



Physical Properties (ASTM D 4434 – 21 Type III)

Type	ASTM Test Method	D4434 Type III Min	EverGuard® PVC Fleece-Back 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)	21 mil (0.53 mm)	28 mil (0.71 mm)	36 mil (0.91 mm)
Breaking Strength	ASTM D751	200 lbf/in. (890 N)	453 lbf (2,015 N) MD / 410 lbf (1,824 N) CD	515 lbf (2,291 N) MD / 383 lbf (1,704 N) CD	464 lbf (2,064 N) MD / 408 lbf (1,815 N) CD
Elongation at Break	ASTM D751	15% MD / 15% CD	30% x 33%	35% x 35%	35% x 35%
Factory Seam Strength	ASTM D751	75%	>75%	85%	100%
Breaking Strength after Heat Aging	ASTM D3045	90%	90% min	90% min	90% min
Elongation at Break after Heat Aging	ASTM D3045	90%	90% min	90% min	90% min
Tear Strength	ASTM D751	45 lbf (200.2 N)	111 lbf (494 N) MD / 205 lbf (912 N) CD	136 lbf (605 N) MD / 167 lbf (743 N) CD	110 lbf (489 N) MD / 152 lbf (676 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%	<0.5%	-0.12%	<0.5%
Change in Weight after Water Immersion	ASTM D570	±3.0%	<3%	<3%	<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

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)
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.
† CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally aged values and will be replaced by the measured three-year naturally aged values upon completion of the weathering process.

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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 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations
		State of Florida Approved
FM APPROVED	FM Approved (Refer toRoofNav.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, and Energy Gray	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.				

* 60 and 80 mil are stocked in White and Gray. 50 mil and other colors require special order and will have a lead time. Talk to your GAF Territory Manager for details.
Note: Membrane rolls shipped horizontally on pallets.

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