

EverGuard®
GAF TPO Fleece-Back
 Membrane
 45, 60, 80 mil



Description:

GAF knows thermoplastic polyolefin (TPO). In fact, we've sold more than 7 billion square feet. GAF has been producing TPO for more than 20 years and operates 5 manufacturing plants around the United States. Combine performance and value with EverGuard® TPO Fleece-Back Membrane 45-mil, 60-mil, and 80-mil.

Factory-applied polyester fleece lets you offer the proven performance of EverGuard® TPO, while increasing durability and reducing labor:

- 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. Visit gaf.com/recover for more details.
- Guarantees available according to thickness, with coverage up to 30 years for 80-mil†

Help keep the membrane clean during installation:

EverGuard® TPO 60 mil and 80 mil smooth and EverGuard® Fleece-back 60 mil membranes are available with MembraneShield Temporary Dirt-Blocking Film — a monolayer protective sheet adhered to select GAF EverGuard® TPO membranes using a water-insoluble acrylic-based adhesive. The film is designed to be left on during installation of the roof

and to be removed after installation is completed or up to 90 days after installation. Only EverGuard® TPO labeled "With MembraneShield Temporary Dirt-Blocking Film" includes this feature.

Installation:

Explore installation options — EverGuard® TPO Fleece-Back Membrane can be installed with a wide range of applications:

- **Mechanically attached** — quick, cost-effective, and available 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
- **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
- **OlyBond 500** — 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

Easy-to-Install Accessories:

EverGuard™ TPO prefabricated accessories save you time and labor, deliver consistent performance, and create a uniform aesthetic.

EverGuard™ TPO Primerless 6" Cover Tape

Self-adhering patent-pending Primerless EverGuard™ TPO 6" Cover Tape is non-reinforced TPO membrane backed with a butyl tape adhesive.



EverGuard™ TPO Split Pourable Sealer Pocket

The low-profile design requires less sealant and can be cut down to size to more tightly fit around penetrations.



EverGuard™ TPO Vent Boot

One standard size of the molded membrane Vent Boot accommodates 1" – 6" (25.4 mm – 152 mm) pipes and conduits. Vent Boots come with stainless steel clamping rings for the top of the penetration.



EverGuard™ TPO Scuppers

Manufactured with TPO-coated metal and unreinforced membrane for use in waterproofing wall scuppers, eliminating unnecessary flashing to waterproof the wall opening.



* GAF warranties and guarantees do not provide coverage against traffic except where GAF walkways are applied, or against hail or other impact. Refer to gaf.com for more information on warranty and guarantee coverage and restrictions. Hail or puncture resistance coverage may be available for purchase for eligible systems. Contact GAF for more information.

† Additional requirements apply. Contact GAF for more information. See applicable guarantee, available at gaf.com, for complete coverage and restrictions.



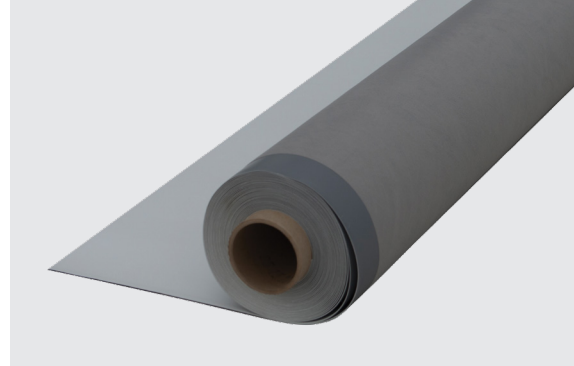
See our complete line of time-saving prefabricated TPO Accessories



We protect what matters most™



EverGuard®
GAF TPO Fleece-Back
 Membrane
45, 60, 80 mil



Physical Properties (ASTM D6878)

Type	ASTM Test Method	ASTM D6878 Minimum	EverGuard® TPO Fleece-Back Membrane Test Values (approx.)*		
			45 mil	60 mil	80 mil
Nominal Thickness	ASTM D751	0.039" (0.99 mm)	0.045" (1.14 mm)	0.060" (1.52 mm)	0.080" (2.03 mm)
Breaking Strength	ASTM D751 Grab Method	220 lbf (978 N)	375 lbf x 330 lbf (1,668 N x 2,188 N)	400 lbf x 360 lbf (1,779 N x 1,601 N)	440 lbf x 390 lbf (1,957 N x 1,735 N)
Factory Seam Strength	ASTM D751	66 lbf (294 N)	115 lbf (512 N) (membrane failure)	145 lbf (645 N) (membrane failure)	155 lbf (689 N) (membrane failure)
Elongation at Break	ASTM D751	15%	30%	30%	30%
Heat Aging	ASTM D573	90% Retention of Breaking Strength and Elongation at Break	100%	100%	100%
Tear Strength	ASTM D3045 8" x 8" sample (203 mm x 203 mm)	55 lbf (245 N)	90 lbf x 120 lbf (400 N x 534 N)	70 lbf x 130 lbf (311 N x 578 N)	100 lbf x 180 lbf (445 N x 801 N)
Puncture Resistance	FTM 101C Method 2031	Not Established	>350 lb. (159 kg)	>380 lb. (172 kg)	>380 lb. (172 kg)
Cold Brittleness	ASTM D2137	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)	-40°F (-40°C)
Permeance	ASTM E96	Not Established	0.08 Perms	0.08 Perms	0.08 Perms
Dimensional Change	ASTM D1204 @ 158°F (70°C), 6 hrs.	±1%	0.2%	0.4%	0.4%
Water Absorption	ASTM D471 @ 158°F (70°C), 1 week	±3.0%	0.7%	0.7%	0.7%
Hydrostatic Resistance	ASTM D751 Method D	Not Established	390 psi	430 psi	430 psi
Ozone Resistance	ASTM D1149	No visible deterioration @ 7x magnification	No visible deterioration @ 7x magnification	No visible deterioration @ 7x magnification	No visible deterioration @ 7x magnification
Weather Resistance	ASTM G155 / D6878	10,080 KJ/(m²·nm) at 340 nm	>20,000 KJ/(m²·nm) at 340 nm	>25,000 KJ/(m²·nm) at 340 nm	>25,000 KJ/(m²·nm) at 340 nm
Heat Aging	ASTM D573	240°F (115°C), 32 weeks	60 weeks	60 weeks	60 weeks
Thickness above Scrim	ASTM D7635	Min 30% of Total Thickness	15.8 mil (Nominal)	22.1 mil (Nominal)	31.4 mil (Nominal)
Available Guarantees			Up to 20 years	Up to 25 years	Up to 30 years

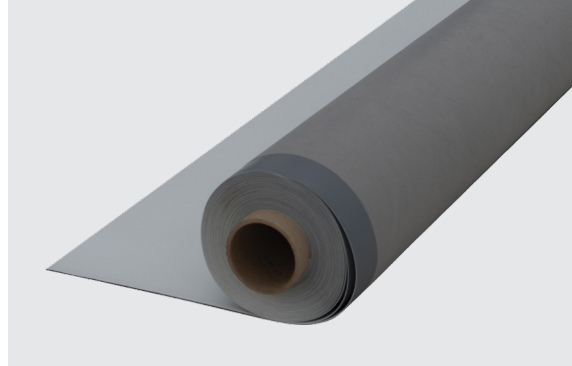
* Values stated are approximate and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide. Additional requirements apply. Contact GAF for more information. See applicable guarantee, available at gaf.com, for complete coverage and restrictions.

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

We protect what matters most™



EverGuard®
GAF TPO Fleece-Back
 Membrane
 45, 60, 80 mil



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.

Product ID#	Type	Solar Reflectance	Thermal Emittance	Solar Reflectance Index (SRI)
	ASTM Test Method	ASTM C1549	ASTM C1371	ASTM E1980
White 0676-0027	Initial	0.81	0.90	101
	Aged 3 yrs*	0.75	0.90	92
Tan 0676-0002	Initial	0.65	0.90	79
	Aged 3 yrs	0.59	0.84	69
Gray 0676-0045	Initial	0.72	0.87	88
	Aged 3 yrs	0.67	0.90	82
Slate Gray 0676-0189	Initial	0.38	0.90	43
	Aged 3 yrs*	0.33	0.90	36

LEED Information

Manufacturing Location	Mount Vernon, IN, New Columbia, PA, Cedar City, UT, Valdosta, GA
------------------------	--

Applicable Standards and Approvals

 Classified by UL in accordance with ANSI/UL790, including Class A-rated roofing assemblies. Refer to UL Product iQ for specific assemblies.	 FM Approved (Refer to roofnav.com for actual assemblies).	 Miami-Dade County Product Control Approved
Meets or exceeds the requirements of ASTM D6878	State of Florida Approved	Meets or exceeds the requirements of the Texas Department of Insurance.
Can be used to comply with the Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations. (White only)	ICC-ES Evaluation Report ESR-4676 (Cedar City, UT only)	UL Evaluation Report UL ER1306-01

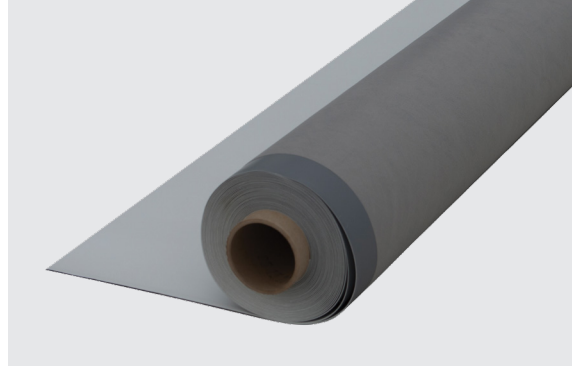
* CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally aged values and will be replaced by the measured three-year naturally aged values upon completion of the weathering process. Membrane rolls shipped horizontally on pallets, stacked pyramid-style, and banded.

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

We protect what matters most™



EverGuard®
GAF **TPO Fleece-Back**
 Membrane
 45, 60, 80 mil



Product Data

Roll Size	45 mil	60 mil	80 mil
10' Roll Size	10' x 100' (3.05 m x 30.5 m) 1,000 sq. ft. (92.9 sq. m)	10' x 100' (3.05 m x 30.5 m) 1,000 sq. ft. (92.9 sq. m)	10' x 50' (3.05 x 15.24 m) 500 sq. ft. (46.5 sq.m)
10' Roll Weight (Average)	260 lb. (118 kg)	335 lb. (152 kg)	219 lb. (110 kg)
5' Roll Size	5' x 100' (1.52 m x 30.5 m) 500 sq. ft. (46.5 sq. m)	5' x 100' (1.52 m x 30.5 m) 500 sq. ft. (46.5 sq. m)	5' x 50' (1.52 x 15.24 m) 250 sq. ft. (23.23 sq.m)
5' Roll Weight (Average)	130 lb. (59 kg)	168 lb. (76 kg)	110 lb. (50 kg)
Colors	White, Tan, Gray	White, Tan, Gray, Slate Gray	White, Tan, Gray, Slate Gray
Storage	Store on pallets in a clean, dry area at temperatures below 100°F (38°C).		
Safety Warning	Membrane rolls are heavy. Employ at least two people to position and install.		

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

We protect what matters most™

