



# EverGuard® PVC Fleece-Back Membrane

## Data Sheet

### Physical Properties (ASTM D 4434 - 21 Type III)

Type	ASTM Test Method	ASTM Minimum Values	EverGuard® PVC Test Values (approx.)*		
			50 mil	60 mil	80 mil
Overall Thickness	ASTM D 751	0.045" (1.14 mm)	0.050" (1.27 mm)	0.060" (1.52 mm)	0.080" (2.03 mm)
Thickness over Scrim	ASTM D 7635	0.016" (0.14 mm)	0.020" (0.51 mm)	0.024" (0.62 mm)	0.035" (0.89 mm)
Breaking Strength	ASTM D 751	200 lbf/in. (890 N)	440 lbf MD / 355 lbf CD	440 lbf MD / 390 lbf CD	480 lbf MD / 440 lbf CD
Elongation at Break	ASTM D 751	15% MD / 15% CD	30% MD & CD	30% MD & CD	30% MD & CD
Factory Seam Strength	ASTM D 751	75%	Pass	Pass	Pass
Breaking Strength after Heat Aging	ASTM D 3045	90%	Pass	Pass	Pass
Elongation at Break after Heat Aging	ASTM D 3045	90%	Pass	Pass	Pass
Tear Strength	ASTM D 751	45 lbf (200.2 N)	145 lbf MD/70 lbf CD	155 lbf MD/82 lbf CD	115 lbf MD/70 lbf CD
Low Temperature Bend	ASTM D 2136	Pass @ -40 °C	Pass	Pass	Pass
Accelerated Weathering	ASTM G 154/155† (Min. 5000 h)	Pass	Pass	Pass	Pass
Linear Dimensional Change	ASTM D 1204	≤0.5%	Pass	Pass	Pass
Change in Weight after Water Immersion	ASTM D 570	±3.0%	Pass	Pass	Pass
Static Puncture Resistance	ASTM D 5602	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance	ASTM D 5635	Pass	Pass	Pass	Pass

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

† At an irradiance level of 1.55 W/(m<sup>2</sup>.nm) at 340 nm

### Sustainability Ratings/Certifications

#### Cool Roof Rating Council (CRRC)

Type	ASTM Test Method	Color	Product ID#	Initial			Aged		
				50 mil	60 mil	80 mil	50 mil	60 mil	80 mil
Solar Reflectance	ASTM C 1549	White	0676-0134a	0.87	0.87	0.87	0.70	0.70	0.70
Thermal Emittance	ASTM E 903	White	0676-0134a	0.87	0.87	0.87	0.88	0.88	0.88
Solar Reflectance Index (SRI)	ASTM E 903	White	0676-0134a	110	110	110	85	85	85

#### LEED Information (white only)

Manufacturing Location	Cedar City, UT
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### Applicable Standards/Approvals

UL Listed to ANSI/UL790 Class A (Refer to UL Product iQ for actual assemblies)	FM Approved (Refer to FM <a href="http://www.RoofNav.com">www.RoofNav.com</a> for actual assemblies)	Meets or exceeds the physical requirements of ASTM D4434, Type III	State of Florida Approved
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Can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations

### Product Data

Roll Size	Colors	Full Roll Size	Full Roll Weight (Average)	Half Roll Size	Half Roll Weight (Average)
50 mil	White	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	White	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	White	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).
Safety Warning	Membrane rolls are heavy. Employ at least two people to position and install.

Note: Membrane rolls shipped horizontally on pallets.

For more information, contact GAF Technical Support Services at 1- 877- GAF - ROOF | [gaf.com](http://gaf.com)

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