



EverGuard® PVC 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)	320 lbf MD / 275 lbf CD	330 lbf MD / 290 lbf CD	360 lbf MD / 320 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	145 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/(m²·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

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 www.RoofNav.com 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

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