

Physical Properties (ASTM D 4434 - 21 Type III)

Type	ASTM Test Method	ASTM Minimum Values	EverGuard® PVC Fleeceback 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)	.035" (0.94 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 ¹ (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.

¹ 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	86	86	86

LEED Information (white only)

Manufacturing Location	Cedar City, UT
------------------------	----------------

Applicable Standards/Approvals

 <p>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.</p>	 <p>FM Approved Refer to Roofnav.com for actual assemblies</p>	 <p>Miami-Dade County Product Control Approved</p>	<p>Meets or exceeds the physical requirements of ASTM D4434, Type III</p> <hr/> <p>State of Florida Approved</p>
---	---	--	--

Can be used to comply with 2022 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, Gray and 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	White, Gray and Tan	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, Gray and Tan	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 additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com

We protect what matters most™

