

Physical Properties (ASTM D 4434 - 21 Type III)

Type	ASTM Test Method	ASTM Minimum Values	EverGuard® PVC Test Values (Approximate)*		
			50 mil	60 mil	80 mil
Nominal Thickness	ASTM D 751	0.045"	0.050"	0.060"	0.080"
Thickness over Scrim	ASTM D 7635	0.016"	0.017"	0.024"	0.032"
Breaking Strength	ASTM D 751	200 lbf/in. (890 N)	320 lbf MD / 275 lbf CD	355 lbf MD / 325 lbf CD	390 lbf MD / 375 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%	75%	75%	75%
Breaking Strength after Heat Aging	ASTM D 3045	90%	90%	90%	90%
Elongation at Break after Heat Aging	ASTM D 3045	90%	90%	90%	90%
Tear Strength	ASTM D 751	45 lbf (220.2 N)	89 lbf (132.4 kg/m) X 109 lbf (162.2 kg/m) ¹		
Low Temperature Bend	ASTM D 2136	Pass	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%	≤1.0%	≤1.0%	≤1.0%
Change in Weight after Water Immersion	ASTM D 570	±3.0%	±3.0%	±3.0%	±3.0%
Static Puncture Resistance	ASTM D 5602	Pass	Pass	Pass	Pass
Dynamic Puncture Resistance	ASTM D 5635	Pass	Pass	Pass	Pass

* Based on testing by an independent third party laboratory. 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.

¹ Determined by internal testing.



Sustainability Ratings/Certifications

Cool Roof Rating Council (CRRC)

Type	ASTM Test Method	Color	Initial			Aged**		
			50 mil	60 mil	80 mil	50 mil	60 mil	80 mil
Solar Reflectance	ASTM C 1549	White	0.87	0.87	0.87	0.76	0.76	0.76
Thermal Emittance	ASTM E 903	White	0.87	0.87	0.87	0.84	0.84	0.84
Solar Reflectance Index (SRI)	ASTM E 903	White	110	110	110	93	93	93

** 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.

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 D 4434, Type III	State of Florida Approved
--	---	---	---------------------------

Can be used to comply with 2019 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations (White only)

Product Data

Roll Size	ASTM Test Method	Full Roll Size	Full Roll Weight (Average)	Half Roll Size	Half Roll Weight (Average)
50 mil	White, Tan, and Gray	10' x 100' (3.05 m x 30.48 m)	342 lb. (155 kg)	5' x 100' (1.52 m x 30.48 m)	171 lb. (77.6 kg)
60 mil	White, Tan, and Gray	10' x 100' (3.05 m x 30.48 m)	410 lb. (186 kg)	5' x 100' (1.52 m x 30.48 m)	205 lb. (93 kg)
80 mil	White, Tan, and Gray	10' x 80' (3.05 m x 24.48 m)	456 lb. (206.8 kg)	5' x 80' (1.52 m x 24.38 m)	228 lb. (103.4 kg)

Storage

Store on pallets in a clean, dry area at temperatures below 100°F. Protect adhesive side from exposure to direct sunlight. Use care when handling the adhesive side of material. The adhesive is aggressive and will stick to skin.

Safety Warning

Membrane rolls are heavy. Employ two people to position and install.

Note: Membrane rolls shipped horizontally on pallets.