

EverGuard® PVC 80 mil Smooth Membrane Data Sheet

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*Quality You Can Trust...From
North America's Largest Roofing Manufacturer!™*

EverGuard® PVC 80 mil Smooth Membrane

Applicable Standards

UL Listed, FM Approved, ASTM D4434, Title 24 Compliant, Miami-Dade County Product Control Approved, Florida Building Code Approved, and ENERGY STAR® Certified.*

Physical Properties	Test Method	ASTM Minimum	EverGuard® PVC 80 mil Smooth Membrane Typical Test Data
Scrim	Polyester - Designed for mechanically attached or fully adhered roofing		
Thickness	ASTM D751	0.046" (1.14 mm)	.080" (2.03 mm)
Thickness over Scrim	ASTM D751	0.016" (0.40 mm)	0.034" (0.864 mm)
Accelerated Weathering	ASTM G151 & G155	Pass	Pass
Breaking Strength	ASTM D4434	200 lbf (298 kg/m) (MD & CMD)	255 lbf (380 kg/m) (MD) & 265 lbf (394.9 kg/m) (CMD)
Breaking Strength after Heat Aging	ASTM D3045	90%	90%
Change in Weight after Water Immersion	ASTM D570	±3%	±3%
Dimensional Stability	ASTM D1204	≤0.50%	0.40%
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass
Elongation at Break	ASTM D4434	15% (MD & CMD)	Pass
Elongation at Break after Heat Aging	ASTM D3045	90%	90%
Low Temperature Bend	ASTM D2136	-40°C	Pass
Seam Strength	ASTM D751	75% (Percentage of tensile or breaking strength)	75% (Percentage of tensile or breaking strength)
Static Puncture Resistance	ASTM D5602	Pass	Pass
Tear Strength	ASTM D4434	45 lbf (MD & CMD) (67 kg/m)	≥45 lbf (MD & CMD) (67 kg/m)
Solar Reflective Index (SRI)	ASTM E903	60" (1.52 m) & 120" (3.05 m)	110 (initial white)/93 (aged white)
	ASTM E903	40.5" (1.03 m) & 81" (2.06 m)	111 (initial white)/72 (aged white)
Solar Reflectivity	ASTM C1549	60" (1.52 m) & 120" (3.05 m)	0.87 (initial white)/0.76 (aged white)
	ASTM C1549	40.5" (1.03 m) & 81" (2.06 m)	0.87 (initial white)/0.61 (aged white)
Emissivity	ASTM E903	60" (1.52 m) & 120" (3.05 m)	0.87 (initial white)/0.84 (aged white)
	ASTM E903	40.5" (1.03 m) & 81" (2.06 m)	0.95 (initial white)/0.86 (aged white)
Guarantee			
20 Years (Mechanically Attached & Fully Adhered)			

*ENERGY STAR® only valid in the U.S.

Product Data

Roll Size	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	Colors	Full Sheet	Full-Roll Weight	Half Sheet	Half-Roll Weight
	White, Tan, and Gray	81" x 65' (2.06 m x 19.8 m)	240 lb. (109 kg)	40.5" x 65' (1.03 m x 19.8 m)	120 lb. (54 kg)
120" x 65' (3.05 m x 19.8 m)		355 lb. (161 kg)	60" x 65' (1.52 m x 19.8 m)	178 lb. (81 kg)	
Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.					
Storage	Store rolls on their sides on pallets or shelving in a dry area.				
Safety Warning	Membrane rolls are heavy. Position and install by at least two people.				