

# **EverGuard® PVC 80 mil XK Smooth Membrane Data Sheet**

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North America's Largest Roofing Manufacturer!™*

# EverGuard® PVC 80 mil XK 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 XK Smooth Membrane Typical Test Data
1. Certain data is provided in MD (machine direction) x CMD (cross machine direction) format. 2. Data is based upon typical product performance, and is subject to normal manufacturing tolerance and variance.			
Scrim	Polyester - Designed for mechanically attached or fully adhered roofing		
Thickness	ASTM D751	0.046" (1.14 mm)	0.080" (2.03 mm)
Thickness over Scrim	ASTM D751	0.016" (0.40 mm)	0.032" (0.812 mm)
Tensile Strength	ASTM D4434	200 lbf (298 kg/m) (MD & CMD)	255 lbf (380 kg/m) (MD) & 265 lbf (395 kg/m) (CMD)
Tear Strength	ASTM D4434	45 lbf (67 kg/m) (MD & CMD)	50 lbf (75 kg/m) (MD & CMD)
Elongation at Break	ASTM D4434	15% (MD & CMD)	30% (MD & CMD)
Breaking Strength after Heat Aging	ASTM D3045	90%	90%
Elongation at Break after Heat Aging	ASTM D3045	90%	90%
Low Temperature Bend	ASTM D2136	-40°C	Pass
Change in Weight after Water Immersion	ASTM D570	±3%	±3%
Seam Strength	ASTM D751	75% (Percentage of tensile or breaking strength)	75% (Percentage of tensile or breaking strength)
Dimensional Stability	ASTM D1204	≤0.50%	≤1%
Static Puncture Resistance	ASTM D5602	Pass	Pass
Dynamic Puncture Resistance	ASTM D5635	Pass	Pass
Accelerated Weathering	ASTM G151 & G155	Pass	No surface cracking or crazing, negligible discoloration
Solar Reflectivity	ASTM C1549	No specific minimum listed per ASTM or specification	0.87 (initial white)/0.76 (aged white)
Emissivity	ASTM E903	No specific minimum listed per ASTM or specification	0.87 (initial white)/0.84 (aged white)
Solar Reflective Index (SRI)	ASTM E903	No specific minimum listed per ASTM or specification	110 (initial white)/93 (aged white)
<b>Guarantee</b>			
20 Years (Mechanically Attached & Fully Adhered)			

\*ENERGY STAR® only valid in the U.S.

## Product Data

<b>Roll Size</b>	Note: Product sizes, dimensions, and widths are nominal values and are subject to normal manufacturing/packaging tolerance and variation.				
	<b>Colors</b>	<b>Full Sheet</b>	<b>Full-Roll Weight</b>	<b>Half Sheet</b>	<b>Half-Roll Weight</b>
	White, Tan, and Gray	120" x 80' (3.05 m x 24.4 m)	440 lb. (200 kg)	60" x 80' (1.52 m x 24.4 m)	178 lb. (81 kg)
Note: Membrane rolls shipped horizontally on pallets, stacked pyramid-style and banded.					
<b>Storage</b>	Store rolls on their sides on pallets or shelving in a dry area.				
<b>Safety Warning</b>	Membrane rolls are heavy. Position and install by at least two people.				