

Product Data Sheet EverGuard® PVC 80 mil Membrane

Title 24 *
Compliant



Description

GAF EverGuard® PVC 80 mil thermoplastic single-ply membrane systems have been engineered to provide superior long-term performance and enhanced durability. Strong, flexible EverGuard PVC 80 mil membrane is suitable for use in all types of single-ply systems: Mechanically Attached, Ballast Applied, Fully Adhered.

Compared to other heavy-duty single-ply EPDM, PVC and TPO membranes, GAF EverGuard 80 mil roofing membrane provides the benefits of all three materials in a single membrane: low installed cost, heat welded seams, white reflective color, and tear/puncture resistance.

Applicable Standards

UL approved for use in the construction of Class A, B, or C roofs, FM Approved, ASTM D4434, Type III,
Dade County Product Approval

Physical Properties	ASTM Test Method	ASTM D-4434 Standard Minimum	EverGuard 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			
Nominal Thickness	ASTM D-751	0.045"	0.080"
Breaking Strength	ASTM D-751 Grab Method	200 lbf/in.	350 lbf x 320 lbf
Seam Strength	ASTM D-638	75% of Breaking Strength	>95% (membrane failure)
Elongation at Break	ASTM D-751	15%	35% x 35%
Heat Aging	ASTM D-3045	90% Retention of Breaking Strength and Elongation at Break	>90% (no significant change)
Tear Strength	ASTM D-751 8" x 8" Sample	45 lbf	70 lbf x 80 lbf
Low Temperature Bend	ASTM D-2136	-40 F	-40 F
Permeance	ASTM E-96	Not Established	0.003 Perms
Dimensional Change	ASTM D-1204 @212 F, 1 hr.	0.5% (max.)	0.4%
Water Absorption	ASTM D-750 @158 F, 1 week	+/-3% (max.)	0.6%
Accelerated Weathering	ASTM G-53 UV-B, 8 hr. @70 C condensate. 4 hr. @50 C 5,000 hrs. exposure	No visible deterioration @ 7 x magnification	No visible deterioration @ 7 x magnification
Reflectivity	ASTM C1549	N/A	0.86
Emissivity	ASTM E408	N/A	0.88

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 Roll Size	Full Roll Weight	Half Roll Size	Half Roll Weight
	White & Light Gray	72" x 75' (450 sq.ft.)	243 lbs.	36" x 75' (225 sq.ft.)	121 lbs.
	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, and are best positioned and installed by at least two people				

* White Membrane Only