

Product Data Sheet EverGuard® PVC 80 mil Fleece-Back Membrane

Title 24*
Compliant



Description

GAF EverGuard® PVC 80 mil Fleece-Back (FB) thermoplastic PVC copolymer single-ply membrane systems have been engineered to provide superior long-term performance and enhanced durability. Strong, flexible EverGuard PVC 80 mil FB membrane is suitable for use in Fully Adhered and TriPosite™ XL single-ply systems.

Compared to other heavy-duty single-ply EPDM, PVC and TPO membranes, GAF EverGuard PVC 80 mil FB roofing membrane provides the benefits of all three materials in a single membrane: low installed cost, heat welded seams, white reflective color, no liquid plasticizers and tear/puncture resistance.

Applicable Standards

UL Approved for use in the construction of Class A, B, or C roofs, FM Approved, ASTM D-4434, Type III.

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" (not incl. fleece backing)
Breaking Strength	ASTM D-751 Grab Method	200 lbf/in.	519 lbf x 482 lbf
Seam Strength	ASTM D-638	75% of Breaking Strength	>95% (membrane failure)
Elongation at Break	ASTM D-751	15%	40% x 40%
Heat Aging	ASTM D-3045	90% Retention of Breaking Strength and Elongation at Break	>95% (no significant change)
Tear Strength	ASTM D-751 8" x 8" Sample	45 lbf	66 lbf x 112 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.)	0.10%
Water Absorption	ASTM D-750 @158 F, 1 week	+/-3% (max.)	0.60% (w/o fleece backing)
Ozone Resistance	ASTM D-1149	Not Established	No visible deterioration @ 7 x magnification
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	0.85
Emissivity	ASTM E408	N/A	0.86

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	76" x 60' (380 sq.ft.)	225 lbs.	N/A	N/A
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