

Technical Information Sheet



Elevate PVC XR Fleece-Backed Membrane

Item Description	Item Number
Roll – 60 mil: 10' x 90' (3m x 27.4 m) – White, Tan and Gray	See Table Below
Roll – 80 mil: 10' x 65' (3m x 19.8 m) – White, Tan and Gray	

Description

Elevate PVC XR is a flexible Thermoplastic Polyvinyl Chloride roofing membrane that is produced with polyester weft-inserted reinforcement and a 5.5 ounce non-woven spunbonded polyester fleece backing. Elevate PVC XR membrane meets or exceeds all requirements for ASTM D 4434 Specification. This heat weldable PVC XR membrane is available in 60 mil (1.52 mm) and 80 mil (2.03 mm) thicknesses and is suitable for a variety of low-slope applications. The Elevate PVC XR Membrane is not compatible with the Elevate MAX PVC or MAX PVC XR membranes.

Method of Application

1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
2. All rough surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
3. All surface voids greater than 1/4" (6.4 mm) wide shall be properly filled with an acceptable fill material.
4. Elevate PVC XR membrane is installed as continuous roofing or waterproofing layer on the roof. Rolls are overlapped (side laps and end laps) prior to heat welding the seam areas.
5. Elevate PVC XR membrane may be adhered using Elevate PVC Water Based Bonding Adhesive, ISO Spray R, XR Stick or Twin Jet foam adhesives. Elevate PVC XR membrane may also be mechanically attached with approved Elevate fasteners and HD Seam Plates.
6. Install the Elevate PVC XR Roofing System in accordance with current Elevate PVC XR specifications, details, and workmanship requirements.

Storage

- Store material away from direct sun light, sources of physical damage or chemical contamination.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

Precautions

- DO NOT mix with Elevate MAX PVC or MAX PVC XR membrane.
- Refer to Safety Data Sheets (SDS) for additional safety information.
- Exercise caution when lifting, moving, transporting, storing, or handling membrane rolls to avoid sources of punctures and possible physical damage.
- Contact a Regional Technical Coordinator at 1-800-428-4511 for specific recommendations regarding chemical or waste product compatibility with Elevate PVC XR membrane.

LEED® Information

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 5%

Manufacturing Location: Hillside, NJ

NOTE: LEED® is a registered trademark of the U.S. Green Building Council



Typical Properties

Properties	ASTM Standard	Performance Minimum	Typical Performance 60 mil	Typical Performance 80 mil
Overall Thickness (Thickness Above Fleece)	D 751	0.045" (1.14 mm)	0.060" (1.52 mm) ± 10%	0.080" (2.03 mm) ± 10%
Thickness over Scrim	D 7635	0.016" (0.41 mm)	0.030" (0.762 mm)	0.040" (1.016 mm)
Breaking Strength	D 751 - Grab Method	200 lbf (889 N)	>340 lbf (1,512 N)	>365 lbf (1,623 N)
Elongation of Reinforcement Break	D 751- Grab Method	15%	> 25%	> 25%
Tearing Strength	D 751, B-Tongue	45 lbf (200 N)	> 55 lbf (244 N)	> 70 lbf (311 N)
Seam strength, min, % breaking strength	D 751 Procedure B	75%	>75%	>75%
Low Temperature Bend	D 2136	-40 °F (-40 °C)	Pass	Pass
Linear dimensional change	D 1204, 6 h at 80 ± 1 °C (176 ± 2 °F) - Linear dimensional change, max, %	± 0.5% max	< 0.5%	< 0.5%
Water Absorption	D 570, 168 ± 1 h at 70 ± 1 °C (158 ± 2 °F)	± 3% max	< 3%	< 3%
Accelerated Weathering	G 155	5000 h min	> 5000 h	> 5000 h
Dynamic Puncture Resistance	D 5635 Type III	Energy level of 20J min	Pass	Pass
Static Puncture Resistance	D 5602 @ 23 ± 1 °C (73 ± 2 °F)	33 lbf (15 kg) min	Pass	Pass

Retention of Properties After Heat Aging: Heat Aging—Practice D3045 at 80 ± 1 °C (176 ± 2 °F) for 56 days ± 1 h				
Breaking Strength	D 751, Grab Method	90% min	> 90%	> 90%
Elongation at Break	D 751, Grab Method	90% min	> 90%	> 90%
NOTE: For use of the product as a component in an air barrier assembly, please consult the Designer / Architect, Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details and its installation into the building envelope. Additional roof system securement enhancements may be required.				

Radiative Properties			
Cool Roof Rating Council (CRRC): Initial / 3 yr	White	Tan	Gray
Solar Reflectance	0.86 / 0.73	0.69 / 0.53	0.68 / 0.54
Thermal Emittance	0.87 / 0.88	0.85 / 0.88	0.87 / 0.89
Solar Reflectance Index (SRI)	108 / 90	83 / 62	82 / 64
Rated Product ID	0608 - 0059	0608-0063	0608-0061
Licensed Manufacturer ID	0059	0608	0608
Classification	Production Line	Production Line	Production Line

White Elevate PVC XR Fleece Backed, Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
60 mil	W56PWX61090	10' (3 m)	90' (27.4 m)	0.42 lb/ ft ² (2.05 kg/m ²)	≤ 380 lb (172 kg)
80 mil	W56PWX81065	10' (3 m)	65' (19.8 m)	0.56 lb/ ft ² (2.73 kg/m ²)	≤ 365 lb (166 kg)

Tan Elevate PVC XR Fleece Backed, Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
60 mil	W56PWX61090	10' (3 m)	90' (27.4 m)	0.42 lb/ ft ² (2.05 kg/m ²)	≤ 380 lb (172 kg)
80 mil	W56PXT81065	10' (3 m)	65' (19.8 m)	0.56 lb/ ft ² (2.73 kg/m ²)	≤ 365 lb (166 kg)

Gray Elevate PVC XR Fleece Backed, Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
60 mil	W56PXG61090	10' (3 m)	90' (27.4 m)	0.42 lb/ ft ² (2.05 kg/m ²)	≤ 380 lb (172 kg)
80 mil	W56PXG61065	10' (3 m)	65' (19.8 m)	0.56 lb/ ft ² (2.73 kg/m ²)	≤ 365 lb (166 kg)

Please contact Holcim Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Holcim representative is authorized to vary this disclaimer.