

Technical Information Sheet



Elevate PVC Membrane

Item Description	Item Number
Roll - 50 mil: 5' (1.5 m) x 100' (30.5 m) White, Tan, and Gray	See Table Below
Roll - 50 mil: 10' (3 m) x 100' (30.5 m) White, Tan, and Gray	
Roll - 60 mil: 5' (1.5 m) x 100' (30.5 m) White, Tan, and Gray	
Roll - 60 mil: 10' (3 m) x 100' (30.5 m) White, Tan, and Gray	
Roll - 80 mil: 5' (1.5 m) x 65' (19.8 m) White, Tan, and Gray	
Roll - 80 mil: 10' (3 m) x 65' (19.8 m) White, Tan, and Gray	

Description

Elevate PVC is a flexible Thermoplastic Polyvinyl Chloride roofing membrane that is produced with polyester weft-inserted reinforcement. Elevate PVC membrane meets or exceeds all requirements for ASTM D 4434, Type III Specification. This heat weldable PVC membrane is available in 50 mil (1.27 mm), 60 mil (1.52 mm) and 80 mil (2.03 mm) thicknesses and is suitable for a variety of low-slope applications.

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 ¼" (6.3 mm) wide shall be properly filled with an acceptable fill material.
4. Elevate PVC 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 membrane may be mechanically attached or adhered using Elevate PVC LVOC Bonding Adhesive or Elevate PVC Water Based Bonding Adhesive.
6. Install the Elevate PVC Roofing System in accordance with current Elevate PVC 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

- 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 membrane.
- Refer to Safety Data Sheets (SDS) for additional safety information.

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 (Meets or Exceeds ASTM D 4434 Specification)					
Properties	ASTM Standard	Performance Minimum	50 mil	Typical Performance	
				60 mil	80 mil
Overall Thickness	D 751	0.045" (1.14 mm)	0.050" (1.27 mm)	0.060" (1.52 mm) ± 10%	0.080" (2.03 mm)
Thickness over Scrim	D 7635	0.016" (0.40 mm)	0.025" (0.635 mm)	0.030" (0.762 mm)	0.040" (1.016 mm)
Breaking Strength	D 751 Grab Method	200 lbf (889 N)	> 240 lbf (1,067 N)	> 340 lbf (1,512 N)	> 365 lbf (1,623 N)
Elongation of Reinforcement Break	D 751 Grab Method	15%	> 25%	> 25%	> 25%
Tearing Strength	D 751 B-Tongue	45 lbf (200 N)	> 45 lbf (200 N)	> 55 lbf (244 N)	> 70 lbf (311 N)
Low Temperature Bend	D 2136	-40 °F (-40 °C)	Pass	Pass	Pass
Linear dimensional change	D 1204*	± 0.5% max.	< 0.5%	< 0.5%	< 0.5%
*6 h at 80 ± 1°C (176 ± 2 °F) - Linear dimensional change, max, %					
Water Absorption	D 570*	± 3% max.	< 3%	< 3%	< 3%
*168 ± 1 h at 70 ± 1 °C (158 ± 2 °F)					
Accelerated Weathering	G 155	5000 h min.	> 5000 h	> 5000 h	> 5000 h
Dynamic Puncture Resistance	D 5635 Type III	Energy level of 20J min.	Pass	Pass	Pass
Static Puncture Resistance	D 5602*	33 lbf (15 kg) min.	Pass	Pass	Pass
*At 23 ± 1 °C (73 ± 2 °F)					
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%	> 90%
Elongation at Break	D 751, Grab Method	90% min.	> 90%	> 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	0608	0608	0608
Classification	Production Line	Production Line	Production Line

White Elevate PVC Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
50 mil	W56PMW50510	5' (1.5 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 172 lb (78 kg)
50 mil	W56 PMW51010	10' (3 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 347 lb (157 kg)
60 mil	W56PMW60510	5' (1.5 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 210 lb (95 kg)
60 mil	W56PMW61010	10' (3 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 420 lb (190 kg)
80 mil	W56PMW80565	5' (1.5 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 177 lb (80 kg)
80 mil	W56PMW81065	10' (3 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 355 lb (161 kg)

Tan Elevate PVC Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
50 mil	W56PMT50510	5' (1.5 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 172 lb (78 kg)
50 mil	W56PMT51010	10' (3 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 347 lb (157 kg)
60 mil	W56PMT60510	5' (1.5 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 210 lb (95 kg)
60 mil	W56PMT61010	10' (3 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 420 lb (190 kg)
80 mil	W56PMT80565	5' (1.5 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 177 lb (80 kg)
80 mil	W56PMT81065	10' (3 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 355 lb (161 kg)

Gray Elevate PVC Reinforced Membrane Product Sizes					
Nominal Thickness	Part #	Width	Length	Weight	Shipping Weight
50 mil	W56PMG50510	5' (1.5 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 172 lb (78 kg)
50 mil	W56PMG51010	10' (3 m)	100' (30.5 m)	0.34 lb/ ft ² (1.66 kg/m ²)	≤ 347 lb (157 kg)
60 mil	W56PMG60510	5' (1.5 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 210 lb (95 kg)
60 mil	W56PMG61010	10' (3 m)	100' (30.5 m)	0.41 lb/ ft ² (2.0 kg/m ²)	≤ 420 lb (190 kg)
80 mil	W56PMG80565	5' (1.5 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 177 lb (80 kg)
80 mil	W56PMG81065	10' (3 m)	65' (19.8 m)	0.54 lb/ ft ² (2.6 kg/m ²)	≤ 355 lb (161 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.