

TECHNICAL INFORMATION SHEET

Firestone PVC XR Membrane

Item Description

1 Roll - 60 mil - 76" X 90' (1.93 m X 27.4 m) - White
 1 Roll - 60 mil - 10' X 90' (3.05 m X 27.4 m) - White
 1 Roll - 80 mil - 76" X 65' (1.9 m X 19.8 m) - White
 1 Roll - 80 mil - 10' X 65' (3.05 m X 19.8 m) - White

Item Number

W56PXW67690
 W56PXW61090
 W56PXW87665
 W56PXW81065



Meets or exceeds ASTM D 4434

Code approvals pending

Product Information

Description:

Firestone PVC XR is a flexible Thermoplastic Polyvinyl Chloride roofing membrane that is produced with polyester weft-inserted reinforcement and a 5 ounce non-woven spunbonded polyester fleece backing. Firestone 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.

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" (6.4 mm) wide shall be properly filled with an acceptable fill material.
4. Firestone 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. Firestone PVC XR membrane may be adhered using Firestone PVC Water Based Bonding Adhesive, ISO Spray R or Twin Jet foam adhesives. Firestone PVC XR membrane may also be mechanically attached with approved Firestone fasteners and HD Seam Plates.
6. Install the Firestone PVC XR Roofing System in accordance with current Firestone 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:

- Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.
- Contact your Firestone Technical Advisor at 1-800-428-4511 for specific recommendations regarding chemical or waste product compatibility with Firestone PVC XR membrane.

LEED® Information:

Post-Consumer Recycled Content: 0%
 Pre-Consumer Recycled Content: 0%
 Manufacturing Location: Hillside, NJ

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



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Typical Properties (Meets or exceeds ASTM D 4434 Specification)

Property	ASTM Standard	ASTM Performance Minimum	Typical Performance 60 mil	Typical Performance 80 mil
Overall Thickness	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)	≥ 0.024" (0.61 mm)	≥ 0.031" (0.79 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%

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.

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White Firestone PVC XR fleece backed, reinforce membrane product sizes:

<u>Nominal Thickness</u>	<u>Part #</u>	<u>Width</u>	<u>Length</u>	<u>Weight</u>	<u>Shipping Weight</u>
60 mil	W56 PXW 67690	76" (1.93 m)	90' (27.4 m)	0.42 lb/ ft ² (2.05 kg/m ²)	≤ 240 lb (109 kg)
60 mil	W56 PXW 61090	10' (3.05 m)	90' (27.4 m)		≤ 380 lb (172 kg)
80 mil	W56 PXW 87665	76" (1.93 m)	65' (19.8 m)	0.56 lb/ ft ² (2.73 kg/m ²)	≤ 230 lb (104 kg)
80 mil	W56 PXW 81065	10' (3.05 m)	65' (19.8 m)		≤ 365 lb (166 kg)

Radiative Properties

<u>Cool Roof Rating Council (CRRC): Initial / 3 yr</u>	<u>White</u>
Solar Reflectance	0.86 / 0.73
Thermal Emittance	0.87 / 0.88
Solar Reflectance Index (SRI)	108 / 90
Rated Product ID	0608 - 0059
Licensed Manufacturer ID	0059
Classification	Production Line
<u>ENERGY STAR®: Initial / 3 yr</u>	<u>White</u>
Solar Reflectance	0.86 / 0.73



Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.

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