

## Firestone Reinforced Polypropylene (fPP-R) Geomembrane – 30 Mil

### Item Number

W56VB39930F

## Product Information

### Description:

Firestone fPP-R Geomembrane is a reinforced polypropylene geomembrane that is produced with a 9 x 5 polyester weft inserted scrim reinforcement. This heat weldable fPP-R geomembrane is available with a thickness of 0.75 mm (0.030"). It is available in black/black (top ply/bottom ply).

### Method of Application:

1. Firestone fPP-R Geomembrane is installed as a continuous layer. Rolls or panels made from rolls are overlapped (Side Laps and End Laps) prior to the heat welding of the seam areas.
2. All cut scrim areas must be sealed with Firestone extrusion weld bead.
3. Install Firestone fPP-R Geomembrane in accordance with current Firestone Specialty Products specifications and details.

### Storage:

- Store away from sources of punctures and physical damage.
- Store away from ignition sources as geomembrane will burn when exposed to open flame.

### Preparation of Substrates:

- Substrates must be dry, smooth, and free of sharp edges, loose or foreign materials, oil, grease, and other materials which may damage the geomembrane.
- All rough surfaces or voids which could damage the geomembrane shall be repaired prior to installing the geomembrane, as specified.

### Precautions:

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the geomembrane. Contact Firestone Specialty Products for specific recommendations regarding chemical compatibility.
- Refer to Safety Data Sheets (SDS) for safety information.

### LEED® Information:

Post Consumer Recycled Content: 0%

Post Industrial Recycled Content: 10%

Manufacturing Location: Wellford, SC Muscle Shoals, AL

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

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### Typical Properties

Property	Specified Value
Thickness (ASTM D 5199)	0.030" ± 10% avg.
Thickness over scrim (ASTM D 4637 optical method)	0.010" min.
Weight	0.115 lb/ft <sup>2</sup> (562 g/m <sup>2</sup> )
Tensile Strength (ASTM D 7003)	88 lbf (MD) 63 lbf (CD)
Tensile Elongation at Break % (film) (ASTM D 7003)	550 (MD) 550 (CD)
Tensile Elongation at Break % (scrim) (ASTM D 7003)	20 (MD) 20 (CD)
Breaking Strength (ASTM D 7004 Grab Method)	180 lbf (MD) 170 lbf (CD)
Tearing Strength (tongue) (ASTM D 5884)	50 lbf (MD) 75 lbf (CD)
Puncture Resistance (ASTM D 4833)	50 lbf
Ply Adhesion (ASTM D 6636)	20 lbf
Linear Dimensional Change (ASTM D 1204 (1 hr. @ 100 °C))	± 1%
Length	300' ± 0.5'
Width	10' ± ½"

### Packaging:

Thickness: 0.75 mm (0.030")

Weight: 0.56 kg/m<sup>2</sup> (0.12 lb/ft<sup>2</sup>)

Roll Dimensions: 10' (3.03 m) x 300' (91.4 m) x 0.030" (0.75 mm)

### Geomembrane Panel Size

Dimensions		Packaging Type	Part Number	Gauge	Color	Coverage		Weight (typ max)	
SI Units (meters)	Eng Units (feet)					SI Units (meters)	Eng Units (feet)	SI Units (meters)	Eng Units (feet)
3.05 x 91.4	10 x 300	Roll	W56VB39930F	0.75 mm (0.030")	Black	278.77	3,000	156	360

Please contact Firestone Building Product Geomembrane Sales Department at 1-888-264-1735 for further information.

*This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone 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 Firestone representative is authorized to vary this disclaimer.*