

# TECHNICAL INFORMATION SHEET

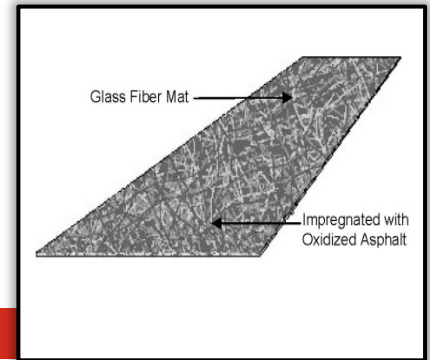
## Ply IV

### Item Description

1 Roll: Ply IV Sheet

### Item Number

W70RAC8740



Meets ASTM D 2178, Type IV. Tested in Accordance with D 146.

## Product Information

### Description:

Firestone Ply IV Sheet is asphalt impregnated, glass fiber mat reinforced roofing ply which has been designed to provide superior durability and ease of application.

The Firestone Ply IV Sheet is designed for use in the construction of Firestone Asphalt Built-Up Roof Systems. Firestone Ply IV Sheet can be used in conjunction with Firestone Modified Bitumen Base and Cap Sheets to build Hybrid Systems. Firestone Ply IV Sheet may be used as a ply in Modified Bitumen and Built-Up Roofing Systems.

## Product Packaging

<u>Property</u>	<u>Value</u>
Roll Width:	39 ¼" (1.0 m)
Roll Length:	160' 6" (48.9 m)
Net Coverage:	500 ft <sup>2</sup> (46.5 m <sup>2</sup> )*
Thickness:	30 mil (0.8 mm)
Roll Weight:	42 lb (19 kg)
Pallet Size:	46" x 46" (1.2 m x 1.2 m)
Rolls per Pallet:	25
Weight per Pallet:	1,050 lb (476.3 kg)
Pallets Per Truckload:	40

\* NOTE: Net coverage is dependent on the number of splices made during installation.

### Method of Application:

1. Ply IV Sheet shall be installed with Firestone approved conventional hot asphalt or Firestone SEBS Mopping Asphalt.
2. This product is not designed to be installed in cut-back asphalt cold adhesive.

### Storage:

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 40 °F (4 °C) and a maximum of 140 °F (60 °C) so that it will be a minimum of 40 °F (4 °C) at the time of application.
- **Stack Firestone Ply IV rolls in original unopened packaging no more than two (2) pallets high.**
- If material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light colored opaque tarp in a neat, safe manner not to exceed the allowable live load of the storage area.

# TECHNICAL INFORMATION SHEET

## Ply IV

### Precautions:

- Refer to Safety Data Sheets (SDS) for BUR Ply Sheets.
- Take care when transporting and handling Firestone BUR rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone roofing membranes.

### Performance Advantages:

- The glass fiber mat provides high tensile strength and excellent dimensional stability.
- Meets the criteria for an Underwriters Laboratories (UL) G-1 base sheet.
- Approved for use in Factory Mutual tested roofing assemblies.
- Designed for use in all climatic zones.

### LEED® Information:

Post Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Tuscaloosa, AL

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



### Typical Properties ( Meets ASTM D 2178, Type IV. Tested in Accordance with D 146)

Property	ASTM Standard Required Value	Firestone Value
Width of Roll:	39.4" (1.0 m)	39.4" (1.0 m)
Area of Roll:	540 ft <sup>2</sup> (50.1 m <sup>2</sup> )	540 ft <sup>2</sup> (50.1 m <sup>2</sup> )
Product Thickness:	N/A	35 mil (0.9 mm)
Net Dry Mass:	6.2 lb/100 ft <sup>2</sup> (303 g/m <sup>2</sup> )	8.9 lb/100 ft <sup>2</sup> (378 g/m <sup>2</sup> )
Bituminous Saturant (Asphalt), min.:	3.0 lb/100 ft <sup>2</sup> (146 g/m <sup>2</sup> )	7.0 lb/100 ft <sup>2</sup> (295 g/m <sup>2</sup> )
Moisture at Time of Manufacture, max.:	1.0%	< 1.0%
Mass of Desaturated Mat, min.:	1.7 lb/100 ft <sup>2</sup> (83 g/m <sup>2</sup> )	1.85 lb/100 ft <sup>2</sup> (90 g/m <sup>2</sup> )
Ash, (Glass Mat Only):	70 to 88%	79%
Surfacing and Stabilizer, max.:	3.2 lb/100 ft <sup>2</sup> (156 g/m <sup>2</sup> )	3.0 lb/100 ft <sup>2</sup> (146 g/m <sup>2</sup> )
Breaking Strength, min.:	44.0 lbf/in, MD (7.7 kN/m), MD	57 lbf/in, MD (10 kN/m), MD
	44.0 lbf/in, CD (7.7 kN/m), CD	58 lbf/in, CD (10.2 kN/m), CD
Pliability, ½" (13 mm) Radius Maximum Failures, 10 Specimens:	N/A	0

Please contact Quality Building Services Technical Department at 1-800-428-4511 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. 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.*