

# TECHNICAL INFORMATION SHEET

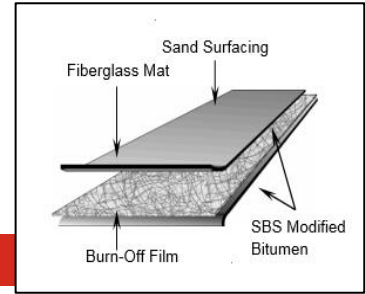
## SBS Glass Torch Base 1.5

**Item Description**  
1 Roll (1.5 square)

**Item Number**  
W71FSP0925

Meets ASTM D 6163, Type I, Grade S. Tested in Accordance with D 5147

### Product Information



### Description:

Firestone SBS Glass Torch Base 1.5 is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high quality asphalt reinforced with a 1.8 lb/100 ft<sup>2</sup> (90 g/m<sup>2</sup>) strong non-woven fiberglass mat intended to be installed with a roofing torch. The addition of SBS rubber polymer optimizes the asphalt blend to increase its natural waterproofing properties, adding elongation, elasticity and flexibility to the sheet. The inorganic fiber glass reinforcement resists moisture absorption. It also provides strength and stability to the product, yielding a membrane that resists natural forces and other factors on the rooftop. SBS Glass Torch Base 1.5 membrane is designed specifically as a base layer for use with Firestone SBS Modified Bitumen Systems.

Firestone SBS systems that use SBS Glass Torch Base 1.5 are ideal for use on both new construction and reroofing projects.

### Product Packaging

Roll Width	3.3' (1 m)	Pallet Size	48" x 39" (1.2 m x 1 m)
Roll Length	50' (15.24 m)	Rolls per Pallet	25
Net Coverage	150 ft <sup>2</sup> (13.9 m <sup>2</sup> )	Weight per Pallet	2,135 lb (970 kg)
Roll Weight	93 lb (42.2 kg)		

### Method of Application:

1. SBS Glass Torch Base 1.5 must be installed by fully heat welding the membrane to an appropriate substrate.
2. Please see the SBS Application Guide at [www.firestonebpco.com](http://www.firestonebpco.com) for detailed information regarding the application of SBS Glass Torch Base 1.5.

### Acceptable Immediate Substrates for Heat-Welded Application:

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Existing Smooth Surface BUR or SBS Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber.

### Storage:

- The material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 100 °F (38 °C) so that it will be 50 °F (10 °C) or above at the time of application. Do not stack Firestone SBS Glass Torch Base 1.5 more than two (2) pallets high.
- If the 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 that does not exceed the allowable load limit of the storage area.

### Precautions:

- For additional safety information, refer to Safety Data Sheet (SDS).
- Take care when transporting and handling Firestone Modified Bitumen 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 Modified Bitumen membranes.

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### LEED® Information:

Post-Consumer Recycled Content: 0%  
 Pre-Consumer Recycled Content: 0%  
 Manufacturing Location: Beech Grove, IN  
 \*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



### Typical Properties

Property	ASTM Required Value	Firestone Typical Performance
Product Thickness	80 mil (2.03 mm)	90 mil (2.28 mm)
Net Mass	45 lb/100ft <sup>2</sup> (2,197 g/m <sup>2</sup> )	58 lb/100ft <sup>2</sup> (2,832 g/m <sup>2</sup> )
Bottom Side Coating	40 mil (1.02 mm)	47 mil (1.19 mm)
Peak Load at 0 °F (-18 °C)	70 lbf/in (12.3 kN/m), MD	75 lbf/in (13.1 kN/m), MD
	70 lbf/in (12.3 kN/m), CD	75 lbf/in (13.1 kN/m), CD
Elongation at Peak Load at 0 °F (-18 °C)	1%, MD	3%, MD
	1%, CD	3%, CD
Peak Load at 73 °F (23 °C)	30 lbf/in (5.3 kN/m), MD	40 lbf/in (7 kN/m), MD
	30 lbf/in (5.3 kN/m), CD	40 lbf/in (7 kN/m), CD
Elongation at Peak Load at 73 °F (23 °C)	2%, MD	3%, MD
	2%, CD	3%, CD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	3%, MD	15%, MD
	3%, CD	15%, CD
Heat Aged Peak Load at 0 °F (-18 °C)	70 lbf/in (12.3 kN/m), MD	75 lbf/in (13.1 kN/m), MD
	70 lbf/in (12.3 kN/m), CD	75 lbf/in (13.1 kN/m), CD
Heat Aged Elongation at Peak Load at 0 °F (-18 °C)	1%, MD	3%, MD
	1%, CD	3%, CD
Heat Aged Peak Load at 73 °F (23 °C)	30 lbf/in (5.3 kN/m), MD	40 lbf/in (7 kN/m), MD
	30 lbf/in (5.3 kN/m), CD	40 lbf/in (7 kN/m), CD
Heat Aged Elongation at Peak Load at 73 °F (23 °C)	2%, MD	3%, MD
	2%, CD	3%, CD
Heat Aged Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	3%, MD	15%, MD
	3%, CD	15%, CD
Tear Strength at 73 °F (23 °C)	35 lbf (156 N), MD	40 lbf (178 N), MD
	35 lbf (156 N), CD	40 lbf (178 N), CD
Dimensional Stability	0.5% max Change, MD	0.2% Change, MD
	0.5% max Change, CD	0.2% Change, CD
Low Temperature Flexibility	0 °F max (-18 °C max)	-15 °F (-26 °C)
Compound Stability @ 215 °F (102 °C)	No Failures	270 °F (132 °C)

Please contact Firestone Technical Services 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 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.*