



## SBS Glass Torch Base

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

**Firestone Item Number: W71FSP1225**

### DESCRIPTION:

Firestone SBS Poly Torch Base is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a strong non-woven glass fiber mat. The addition of SBS rubber optimizes the natural waterproofing characteristics of asphalt and increases system performance. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures. SBS Glass Torch Base is designed specifically as a base layer for use with Firestone Modified Bitumen Systems. SBS Glass Torch Base is ideal for both new construction and reproofing applications. Low slope roofs of any size, even those with numerous penetrations may accommodate a Firestone SBS System.

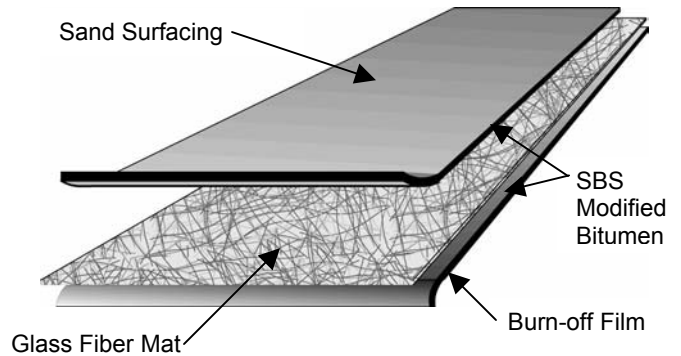
**Roll Width:** 3.3 ft (1 m)  
**Roll Length:** 33.5 ft (10.2 m)  
**Net Coverage:** 100 sq. ft (10.2 m<sup>2</sup>)  
**Roll Weight:** 85 lb (40.8 kg)

### APPLICATION METHOD:

SBS Glass Torch Base shall be installed by fully heat welding the membrane to an appropriate substrate.

### STORAGE:

All material must 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. 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 to not exceed the allowable live load of the storage area.



**Manufactured in an ISO 9000 Registered Facility**

**Pallet Size:** 48" x 39" (1.2 m x 1 m)  
**Rolls Per Pallet:** 25  
**Weight Per Pallet:** 2,125 lb (968.4 kg)  
**Pallets Per Truckload:** 20

**Stack Firestone SBS Glass Torch Base  
Squarely In Original Unopened Packaging No More Than Two  
(2) Pallets High**

### PRECAUTIONS:

Take care when transporting and handling Firestone Modified Bitumen rolls to avoid physical damage. Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone Modified Bitumen membranes. Contact Firestone Roofing Solutions Department for specific recommendations.

### LEED INFORMATION:

**Post Consumer Recycled Content:** 0%  
**Post Industrial Recycled Content:** 0%  
**Manufacturing Location:** Beech Grove, IN



Subject to the conditions of Approval when installed as described in the current edition of the FM Approval Guide



Type G-2 Coated Base/Ply for Roofing Systems As to an External Fire Exposure Only 61P2  
 See UL Directory of Products Certified for Canada And UL Roofing Materials And Systems Directory R9516



Certificate Number FM 38812

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Values shown are an average of actual  
Quality Assurance values.

Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	80.0	120.0	mm	2.0	3.0
Net Mass	lb/100 ft <sup>2</sup>	45.0	74.6	g/m <sup>2</sup>	2,197	3,640
Bottom Coating	mil	39.4	51.0	mm	1.0	1.3

### Physical Properties

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	155.0	kN/m	12.3	MD	27.2
			XMD	124.0			XMD	21.8
Elongation at Peak Load, at 0° F (-18° C)	%	1	MD	3.4	%	1	MD	3.4
			XMD	2.9			XMD	2.9
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	30	MD	60.0	kN/m	5.3	MD	10.5
			XMD	60.0			XMD	10.5
Elongation at Peak Load, at 73.4° F (25° C)	%	2	MD	8.0	%	2	MD	8.0
			XMD	9.0			XMD	9.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	3	MD	54.0	%	3	MD	54.0
			XMD	53.0			XMD	53.0
Tear Strength, at 73.4° F (25° C)	lbf	70	MD	105.0	N	155.8	MD	233.7
			XMD	93.0			XMD	205.0
Dimensional Stability	% Change	0.5	MD	-0.1	% Change	0.5	MD	-0.1
			XMD	0.1			XMD	0.1
Low Temperature Flexibility	°F	0	-20		°C	-18	-29	
High Temperature Stability	°F	215	270		°C	102	132	
Granule Loss			Not Applicable		g		Not Applicable	

### Physical Properties After Heat Conditioning

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	122.0	kN/m	12.3	MD	21.3
			XMD	105.0			XMD	18.4
Elongation at Peak Load, at 0° F (-18° C)	%	1	MD	5.0	%	1	MD	5.0
			XMD	5.0			XMD	5.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	30	MD	55.0	kN/m	5.3	MD	9.6
			XMD	56.0			XMD	9.8
Elongation at Peak Load, at 73.4° F (25° C)	%	2	MD	9.0	%	2	MD	9.0
			XMD	5.0			XMD	5.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	3	MD	17.0	%	3	MD	17.0
			XMD	17.0			XMD	17.0
Low Temperature Flexibility	°F	0	-4.0		°C	-18	-20.0	