



SBS Torch

**Meets ASTM D 6164, Type I, Grade G
Tested in Accordance with ASTM D 5147**

Firestone Item Number:
W71PWP160 (White)
W71PBP160T (Black)

DESCRIPTION:

Firestone SBS Torch is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 180 g/m² (5.3 oz./yd²) non-woven polyester mat enhanced with continuous glass fiber strands in the machine direction. The combination results in a flexible, durable membrane. The addition of SBS rubber optimizes asphalt's natural waterproofing characteristics and increases system performance. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures. SBS Torch is ideal for both new construction and reroofing applications. Low slope roofs of any size, even those with numerous penetrations, may accommodate a Firestone SBS Torch application.

Roll Width:	3.3 ft (1 m)
Roll Length:	33.5 ft (10.2 m)
Net Coverage:	100 sq. ft (10.2 m²)
Roll Weight:	96 lb (43.6 kg)

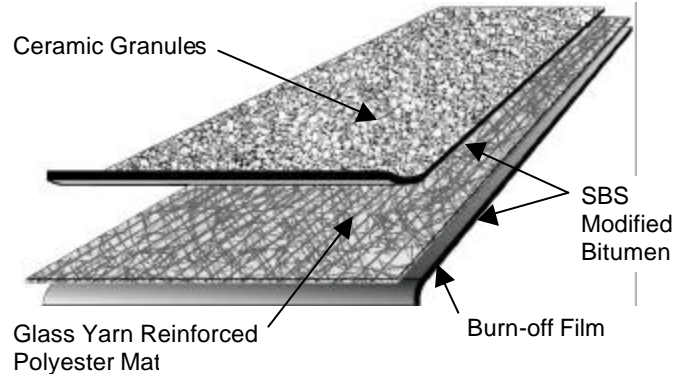
APPLICATION METHOD:

SBS Torch 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 not to exceed the allowable live load of the storage area.

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Manufactured in an ISO 9000 Registered Facility

Pallet Size:	48" x 39" (1.1 m x 1 m)
Rolls Per Pallet:	20
Weight Per Pallet:	1,980 lb (900 kg)
Pallets Per Truckload:	22

Stack Firestone SBS Torch 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:	3%
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



Membrane 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



Cool Roof Rating Council Product Identification Number: 0608-0012 (For White Granules)

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Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	130	150.0	mm	3.3	3.8
Net Mass	lb/100 ft ²	75	92.8	g/m ²	3,661	4,530
Bottom Coating	mil	40	45.0	mm	1.0	1.1

Physical Properties

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	119.0	kN/m	12.3	MD	20.8
			XMD	92.0			XMD	16.1
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	40.0	%	20	MD	40.0
			XMD	53.0			XMD	53.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	60.96	kN/m	8.8	MD	14.0
			XMD	52.93			XMD	10.9
Elongation at Peak Load, at 73.4° F (25° C)	%	35	MD	48.6	%	35	MD	43.0
			XMD	75.53			XMD	49.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	38	MD	81.39	%	38	MD	64.0
			XMD	101.00			XMD	64.0
Tear Strength, at 73.4° F (25° C)	lbf	55	MD	107.19	N	246	MD	556.3
			XMD	86.42			XMD	413.9
Dimensional Stability	% Change	1	MD	-0.2	% Change	1	MD	-0.2
			XMD	0.1			XMD	0.1
Low Temperature Flexibility	°F	0	-15		°C	-18	-26	
High Temperature Stability	°F	215	250		°C	102	121	
Granule Loss					g	2	1.5	

Physical Properties After Heat Conditioning

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	136.0	kN/m	12.3	MD	23.8
			XMD	98.0			XMD	17.1
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	32.0	%	20	MD	32.0
			XMD	31.0			XMD	31.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	103.0	kN/m	8.8	MD	18.0
			XMD	63.0			XMD	11.0
Elongation at Peak Load, 73.4° F (25° C)	%	35	MD	56.0	%	35	MD	56.0
			XMD	73.0			XMD	73.0
Ultimate Elongation at 5% Peak Load, at 73.4° F (25° C)	%	38	MD	67.0	%	38	MD	67.0
			XMD	85.0			XMD	85.0
Low Temperature Flexibility	°F	0	-10.0		°C	-18	-23.3	