



SBS Premium FR Torch

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

Firestone Item Number:
W71HWS16FT (White)
W71HBS16 FT (Black)

DESCRIPTION:

Firestone SBS Premium FR Torch is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 265 g/m² (7.8 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 Fire Retardant compound provides resistance to thermal and physical forces over a wide range of temperatures. SBS Premium FR Torch 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 Premium FR 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: 103 lb (46.8 kg)

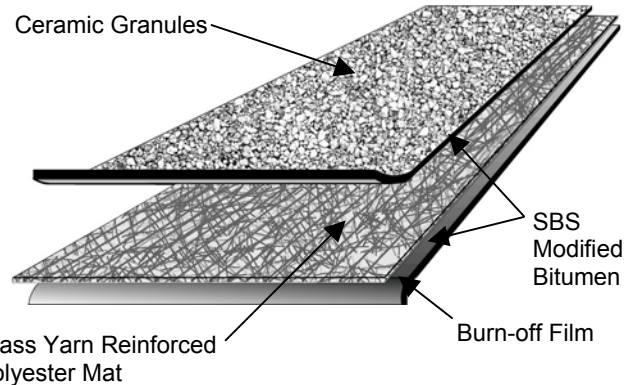
APPLICATION METHOD:

SBS Premium FR 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" (1.2 m x 1 m)
Rolls Per Pallet: 20
Weight Per Pallet: 2,120 lb (962.3 kg)
Pallets Per Truckload: 22

Stack Firestone SBS Premium FR 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: 5%
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)

Firestone Building Products Company

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Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	130	160.0	mm	3.3	4.1
Net Mass	lb/100 ft ²	90	97.0	g/m ²	4,394	4,735
Bottom Coating	mil	40	45.0	mm	1.0	1.2

Physical Properties

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	100	MD	148.0	kN/m	17.5	MD	25.9
			XMD	126.0			XMD	22.0
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	50.0	%	20	MD	50.0
			XMD	60.0			XMD	60.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	70	MD	105.0	kN/m	12.3	MD	18.4
			XMD	90.0			XMD	15.8
Elongation at Peak Load, at 73.4° F (25° C)	%	50	MD	55.0	%	50	MD	55.0
			XMD	70.0			XMD	70.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	60	MD	70.0	%	60	MD	70.0
			XMD	85.0			XMD	85.0
Tear Strength, at 73.4° F (25° C)	lbf	70	MD	125.0	N	311	MD	556.3
			XMD	120.0			XMD	534.1
Dimensional Stability	% Change	1	MD	-0.1	% Change	1	MD	-0.1
			XMD	0.2			XMD	0.2
Low Temperature Flexibility	°F	0	-30		°C	-18	-34	
High Temperature Stability	°F	215	270		°C	102	132	
Granule Loss					g	2	0.9	

Physical Properties After Heat Conditioning

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	100	MD	150.0	kN/m	17.5	MD	26.3
			XMD	115.0			XMD	20.1
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	35.0	%	20	MD	35.0
			XMD	39.0			XMD	39.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	70	MD	105.0	kN/m	12.3	MD	18.4
			XMD	81.0			XMD	14.2
Elongation at Peak Load, at 73.4° F (25° C)	%	50	MD	54.0	%	50	MD	54.0
			XMD	63.0			XMD	63.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	60	MD	64.0	%	60	MD	64.0
			XMD	75.0			XMD	75.0
Low Temperature Flexibility	°F	0	-10.0		°C	-18	-23.3	