



SBS Premium

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

**Firestone Item Number:
W71HWS160P (White)
W71HBS160P (Black)**

DESCRIPTION:

Firestone SBS Premium 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 compound provides resistance to thermal and physical forces over a wide range of temperatures. SBS Premium 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 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:	98 lb (44.92 kg)

APPLICATION METHOD:

SBS Premium shall be installed with conventional hot asphalt, or Firestone Multi-Purpose MB Cold Adhesive.

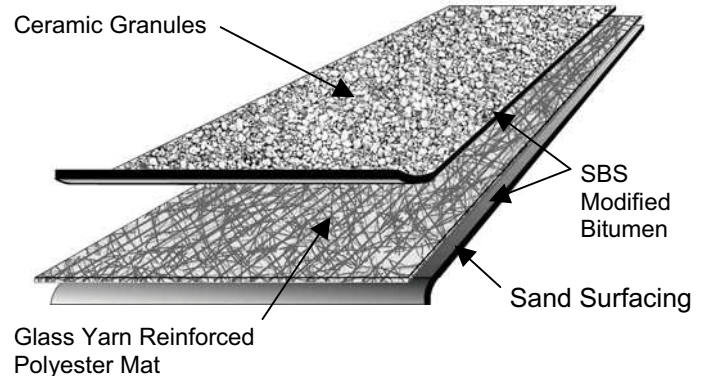
STORAGE:

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, 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.

Pallet Size:	48" x 39" (1.1 m x 1 m)
Rolls Per Pallet:	20
Weight Per Pallet:	2,020 lb (918 kg)
Pallets Per Truckload:	22

Stack Firestone SBS Premium Squarely In Original Unopened Packaging No More Than Two (2) Pallets High

This sheet is meant only to highlight Firestone's products and specifications. Information is subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specification. As neither Firestone itself nor its representatives practice architecture, Firestone offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure, or its ability to support a planned installation properly, the Owner should obtain opinions of competent structural engineers before proceeding. Firestone accepts no liability for any structural failure or for resultant damages, and no Firestone Representative is authorized to vary this disclaimer.



Manufactured in an ISO 9000 Registered Facility

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)

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Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	130	157.6	mm	3.3	4.1
Net Mass	lb/100 ft ²	90	93.7	g/m ²	4,393	4,574
Bottom Coating	mil	n/a	42.0	mm	1.0	1.1

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	80.55	kN/m	12.3	MD	18.4
			XMD	69.89			XMD	15.8
Elongation at Peak Load, at 73.4° F (25° C)	%	50	MD	50.95	%	50	MD	55.0
			XMD	66.75			XMD	70.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	60	MD	91.5	%	60	MD	100.0
			XMD	91.98			XMD	100.0
Tear Strength, at 73.4° F (25° C)	lbf	70	MD	127.1	N	311	MD	578.5
			XMD	136.2			XMD	547.4
Dimensional Stability	% Change	1	MD	-0.2	% Change	1	MD	-0.2
			XMD	0.2			XMD	0.2
Low Temperature Flexibility	°F	0	-15		°C	-18	-26	
High Temperature Stability	°F	215	250		°C	102	121	
Granule Loss					g	2	1.2	

Physical Properties After Heat Conditioning

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	100	MD	156.4	kN/m	17.5	MD	25.2
			XMD	138.6			XMD	19.6
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	47.0	%	20	MD	37.0
			XMD	62.3			XMD	39.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	70	MD	115.7	kN/m	12.3	MD	17.5
			XMD	103.8			XMD	14.2
Elongation at Peak Load, at 73.4° F (25° C)	%	50	MD	51.7	%	50	MD	56.0
			XMD	70.2			XMD	68.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	60	MD	71.0	%	60	MD	71.0
			XMD	78.0			XMD	78.0
Low Temperature Flexibility	°F	0	-10.0		°C	-18	-23.3	