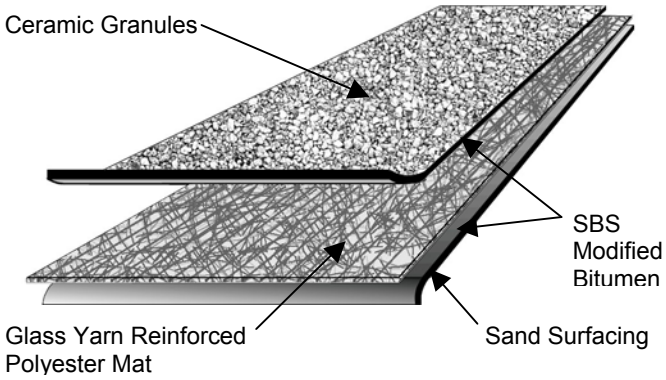
TECHNICAL INFORMATION SHEET

506
9/05

Firestone
BUILDING PRODUCTS COMPANY

SBS Cap



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

Firestone Item Number:
W71PWS1600 (White)
W71PBS1600 (Black)

DESCRIPTION:
Firestone SBS Cap is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 180 g/m^2 (5.3 oz./yd^2) 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 asphalts natural waterproofing characteristics and increases system performance. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures. SBS Cap 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 Cap application.

Roll Width:	**3.3 ft (1 m)**
Roll Length:	**33.5 ft (10.2 m)**
Net Coverage:	**100 sq. ft (10.2 m^2)**
Roll Weight:	**97 lb (44.1 kg)**

APPLICATION METHOD:
SBS Cap 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 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.

Pallet Size:	**48" x 39" (1.2 m x 1 m)**
Rolls Per Pallet:	**20**
Weight Per Pallet:	**2,000 lb (909 kg)**
Pallets Per Truckload:	**22**

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

ISO 9000 ID No.: S723-PRD-039

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:	4%
Post Industrial Recycled Content:	0%
Manufacturing Location:	Beech Grove, IN

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

CLASSIFIED UL US
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

MIAMI-DADE

CRRC COOL ROOF RATING COUNCIL
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	Firestone Nominal
Product Thickness	mil	130	152.33	mm	3.3	3.8
Net Mass	lb/100 ft^2	75	91.0	g/m^2	3,661	4,443
Bottom Coating	mil	n/a	41.0	mm	1.0	1.0

Physical Properties

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	105.70	kN/m	12.3	MD	21.1
			XMD	78.06			XMD	15.8
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	56.57	%	20	MD	51.0
			XMD	61.53			XMD	55.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	66.38	kN/m	8.8	MD	12.2
			XMD	51.31			XMD	10.7
Elongation at Peak Load, at 73.4° F (25° C)	%	35	MD	51.17	%	35	MD	66.0
			XMD	76.71			XMD	74.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	38	MD	92.86	%	38	MD	102.0
			XMD	108.7			XMD	110.0
Tear Strength, at 73.4° F (25° C)	lbf	55	MD	109.15	N	246	MD	476.2
			XMD	81.58			XMD	378.3
Dimensional Stability	% Change	1	MD	-0.1	% Change	1	MD	-0.1
			XMD	0.2			XMD	0.2
Low Temperature Flexibility	°F	0	-25		°C	-18	-31.7	
High Temperature Stability	°F	215	250		°C	102	121	
Granule Loss		2	0.7		g	2	0.7	

Physical Properties After Heat Conditioning

Peak Load, at 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	48.9	kN/m	12.3	MD	23.6
			XMD	78.9			XMD	15.9
Elongation at Peak Load, at 0° F (-18° C)	%	20	MD	36.1	%	20	MD	45.0
			XMD	45.3			XMD	42.0
Peak Load, at 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	84.8	kN/m	8.8	MD	15.9
			XMD	63.2			XMD	11.7
Elongation at Peak Load, at 73.4° F (25° C)	%	35	MD	46.9	%	35	MD	55.0
			XMD	64.1			XMD	74.0
Ultimate Elongation at 5% of Peak Load, at 73.4° F (25° C)	%	38	MD	70.0	%	38	MD	70.0
			XMD	90.0			XMD	90.0
Low Temperature Flexibility	°F	0	-12.0		°C	-18	-24.4	