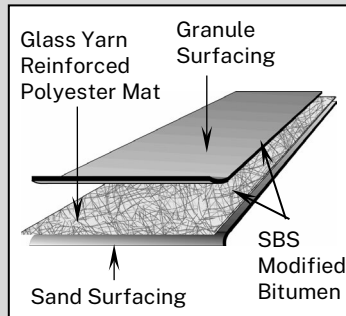


# Technical Information Sheet



## SBS FR Cap

Item Description	Item Number
1 Roll – UltraWhite (1 Square)	W71PNUWS160F
1 Roll – White (1 Square)	W71PWS160FN
1 Roll – Black (1 Square)	W71PBS160FN

## Description

SBS FR Cap is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high-quality asphalt reinforced with a 190 g/m<sup>2</sup> (3.89 lb/100 ft<sup>2</sup>) strong non-woven polyester mat enhanced with continuous fiberglass yarns. The addition of SBS rubber polymer and fire-retardant materials optimizes the asphalt blend to increase its natural waterproofing properties, adding elongation, elasticity, flexibility and resistance to fire. The fiberglass-reinforced polyester mat provides strength and stability to the product, yielding a membrane that resists natural forces and other factors on the rooftop. SBS FR Cap is designed specifically as the top layer for use with SBS Modified Bitumen Systems. SBS Systems are ideal for use on both new construction and re-roofing projects.

SBS FR Cap with UltraWhite granules has a highly reflective surface designed to meet national, state, and local energy code requirements.

NOTE: Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade G.

Product Packaging			
Property	Value	Property	Value
Roll Width	3 ft 3 in (1 m)	Pallet Size	48 x 39 in (1.2 x 1 m)
Roll Length	33 ft 6 in (10.2 m)	Rolls Per Pallet	20
Net Coverage	98 ft <sup>2</sup> (9.1 m <sup>2</sup> )	Weight per Pallet	2,260 lb (1,025 kg)
Roll Weight	113 lb (51 kg)		

## Method of Application

1. SBS FR Cap can be installed in Holcim-approved hot asphalt or Multi-Purpose MB Cold Adhesive
2. Please reference the Holcim Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of SBS FR Cap.

## Acceptable Immediate Substrates for Cold Adhesive Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Approved Holcim base sheet.
- Existing Smooth Surface BUR or SBS Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer)
- DensDeck® Prime, SECUROCK Gypsum Fiber.
- ISO 95+™ GL Insulation / ISOGARD™ GL, ISOGARD HD Composite, ISOGARD HD Cover Board, and RESISTA™ / ISOGARD CG Insulation.

NOTE: Please reference the Holcim Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the type of deck and insulation in use.

## Acceptable Immediate Substrates for Hot Asphalt Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Existing Smooth Surface BUR or SBS Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- FiberTop, DensDeck® Prime, SECUROCK® Gypsum Fiber, STRUCTODEK® HD with Primed Red Coating.

NOTE: Please reference the Holcim Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the type of deck and insulation in use.

## Storage

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 100 °F (38 °C) so that it will be 50 °F (10 °C) or above at the time of application.
- Do not stack SBS FR Cap more than two (2) pallets high.
- If the 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 that does not exceed the allowable load limit of the storage area.

## Precautions

- Take care when transporting and handling Modified Bitumen rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Modified Bitumen membranes.
- Refer to Safety Data Sheets (SDS) for additional safety information.

## LEED® Information

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



NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Typical Properties			
Properties	Test Method	Performance Minimum	Typical Performance
Product Thickness	D 5147	130 mil (3.3 mm)	155 mil (3.9 mm)
Net Mass	D 146	75 lb/100 ft <sup>2</sup> (3,661 g/ m <sup>2</sup> )	95 lb/100 ft <sup>2</sup> (4,639 g/m <sup>2</sup> )
Bottom Side Coating	D 5147	N/A	39 mil (1 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12 kN/m) 70 lbf/in, XMD (12 kN/m)	80 lbf/in, MD (14 kN/m, MD) 80 lbf/in, XMD (14 kN/m, XMD)
Elongation at Peak Load at 0 °F (-18 °C)	D 5147	20%, MD 20%, XMD	50%, MD 50%, XMD
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (9 kN/m, MD) 50 lbf/in, XMD (9 kN/m, XMD)	55 lbf/in, MD (10 kN/m) 55 lbf/in, XMD (10 kN/m)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	35%, MD 35%, XMD	50%, MD 50%, XMD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	D 5147	38%, MD 38%, XMD	60%, MD 60%, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	55 lbf, MD (246 N, MD) 55 lbf, XMD (246 N, XMD)	60 lbf, MD (267 N, MD) 60 lbf, XMD (267 N, XMD)
Low Temperature Flexibility	D 5147	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D 5147, D 1204	1% Change, MD 1% Change, XMD	0.2% Change, MD 0.2% Change, XMD
Compound Stability	D 5147	215 °F (102 °C)	250 °F (121 °C)
Granule Loss	D 4977	2 g	2 g max (0.5 g avg. for UltraWhite)

Typical Radiative Properties (UltraWhite Sheet Only)	
Cool Roof Rating Council (CRRC)	UltraWhite Sheet: Initial / CRRC Rapid Ratings**
Solar Reflectance	0.72 / 0.63
Thermal Emittance	0.92 / 0.91
Rated Product ID	0034
Licensed Manufacturer ID	0608
Classification	Production Line
Solar Reflectance Index (SRI)*	89 / 77
*SRI calculated using the ORNL (DOE) calculator, ASTM E 1980-01	
**CRRC Rapid Ratings utilize the laboratory-aging practice in ASTM D7897 to simulate 3-year aged values	



**NOTE:** The initial SRI for standard white membrane is 33. The SRI for black membrane is N/A.

Please contact Holcim Technical Services at 800-428-4511 for further information.

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