

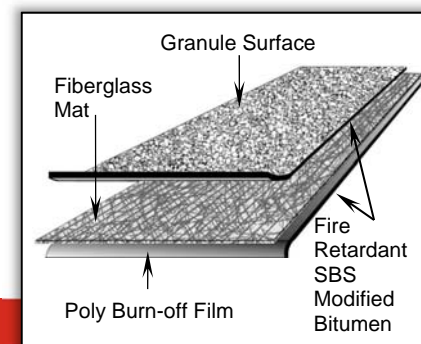
SBS Glass FR Torch

Item Description

- 1 Roll – UltraWhite™ (1 Square)
- 1 Roll – White (1 Square)
- 1 Roll – Black (1 Square)

Item Number

- W71FUWP16FT
- W71FWP16FT
- W71FBP16FT



Meets or exceeds performance requirements of ASTM D 6163, Type I, Grade G

Product Information

Description:

Firestone SBS Glass FR Torch is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 90 g/m² (1.8 lb/100 ft²) fiberglass mat. The addition of SBS rubber optimizes the natural waterproofing characteristics of asphalt and increases system performance. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures.

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

Product Packaging

Roll Width:	3'-3" (1 m)	Pallet Size:	48" x 39" (1.2 m x 1 m)
Roll Length:	33'-6" (10 m)	Rolls Per Pallet:	20
Net Coverage:	98 ft ² (9.1 m ²)	Weight per Pallet:	2,050 lb (932 kg)
Roll Weight:	100 lb (45 kg)		

Method of Application:

1. SBS Glass FR Torch shall be installed with by fully heat welding the membrane to an appropriate substrate.
2. Please see the SBS Application Guide at www.firestonebpco.com for detailed information regarding the application of SBS Glass FR Torch membrane.

Acceptable Immediate Substrates for Heat-Welded Application:

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Existing Smooth Surface SBS Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber, STRUCTODEK® HD
- Firestone SBS Base Sheet

NOTE: Please consult the SBS Design Guide and QuickSpecs online at www.firestonebpco.com to review specific 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 Firestone SBS Glass FR Torch 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.

TECHNICAL INFORMATION SHEET

SBS Glass FR Torch

Precautions:

- For safety information, refer to the Safety Data Sheet (SDS) for SBS Membranes and Flashing.
- Take care when transporting and handling Firestone 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 Firestone Modified Bitumen membranes.

LEED® Information:

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



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

Typical Properties (Meets ASTM D 6163, Type I, Grade G)

Property	ASTM Standard	ASTM Standard Required Value	Typical Performance
Product Thickness:	D 5147	95 mil (2.4 mm)	155 mil (3.9 mm)
Net Mass:	D 146	65 lb/100 ft ² (3,173 g/m ²)	95 lb/100 ft ² (4,639 g/m ²)
Bottom Side Coating:	D 5147	40 mil (1.0 mm)	40 mil (0.9 mm)
Peak Load at 0 °F (-18 °C):	D 5147	70 lbf/in, MD (12.3 kN/m, MD)	80 lbf/in, MD (14 kN/m, MD)
		70 lbf/in, XMD (12.3 kN/m, XMD)	80 lbf/in, XMD (14 kN/m, XMD)
Elongation at Peak Load at 0 °F (-18 °C):	D 5147	1%, MD	3%, MD
		1%, XMD	3%, XMD
Peak Load at 73 °F (23 °C):	D 5147	30 lbf/in, MD (5.3 kN/m, MD)	35 lbf/in, MD (6 kN/m, MD)
		30 lbf/in, XMD (5.3 kN/m, XMD)	35 lbf/in, CD (6 kN/m, XMD)
Elongation at Peak Load at 73 °F (23 °C):	D 5147	2%, MD	3%, MD
		2%, XMD	3%, XMD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C):	D 5147	3%, MD	6%, MD
		3%, XMD	6%, XMD
Tear Strength at 73 °F (23 °C):	D 5147, D 4073	35 lbf, MD (156 N, MD)	40 lbf, MD (178 N, MD)
		35 lbf, CD (156 N, XMD)	40 lbf, XMD (178 N, XMD)
Dimensional Stability:	D 5147, D 1204	0.5% Change, MD	0.2% Change, MD
		0.5% Change, XMD	0.2% Change, XMD
Low Temperature Flexibility:	D 5147	0 °F (-18 °C)	-15 °F (-26 °C)
Compound Stability:	D 5147	215 °F (102 °C)	250 °F (121 °C)
Granule Loss:	D 4977	2 g	0.5 g

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Radiative Properties (UltraWhite Sheet Only)

<u>Cool Roof Rating Council (CRRC) Property</u>	<u>Initial / 3 yr Simulated**</u>
Solar Reflectance	0.71 / 0.71**
Thermal Emittance	0.87 / 0.87**
Rated Product ID	0034
Licensed Manufacturer ID	0608
Classification	Production Line
Solar Reflectance Index (SRI)*	87
* SRI calculated using the ORNL (DOE) calculator, ASTM E 1980-01	
**CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values.	

NOTE: The SRI for standard white membrane is 32. The SRI for black membrane is N/A.



Please contact the Quality Building Services Technical Department at 1-800-428-4511 for further information.

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