

Product Data Sheet



SBS Glass FR Torch

Item Description	Item Number
1 roll - UltraWhite™ (1 square)	W81FUWCP16FT

Description

GenFlex 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 GenFlex SBS Glass FR Torch application. GenFlex SBS Glass FR Torch 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 6163, Type I, Grade G.

Product Packaging

Property	UltraWhite Value
Roll width	3 ft 3 in (1 m)
Roll length	32 ft 10 in (10 m)
Net coverage	98 ft ² (9.1 m ²)
Pallet size	48 in x 39 in (1.2 m x 1 m)
Rolls per pallet	20
Roll weight	112.5 lb (51.94 kg)
Weight per pallet	2,250 lb (1,020.58 kg)

Method of Application

Refer to current GenFlex Technical Specifications for additional instructions.

IMPORTANT: Ensure the receiving surfaces are free of debris and no moisture is present.

1. SBS Glass FR Torch shall be installed by fully heat welding the membrane to an appropriate substrate.
2. Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available on our website 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).
- Approved GenFlex SBS Base Sheet.
- Existing Smooth Surface SBS Modified Bitumen (must be clean, smooth, and primed with ASTM D-41 primer)
- DensDeck® Prime, DensDeck ProFast™, SECUROCK Gypsum Fiber.

NOTE: Please reference the 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 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.

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: 0%

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

Property	Test Method	Performance Minimum	Typical Performance
Product Thickness	D5147	130 mil (3.3 mm)	155 mil (3.9 mm)
Net mass	D146	75 lb/100 ft ² (3661 g/m ²)	95 lb/100 ft ² (4639 g/m ²)
Bottom side coating	D5147	n/a (not a torch product)	47 mil (1.2 mm)
Peak load at 0 °F (-18 °C)	D5147	70 lbf/in, MD (12.3 kN/m) 70 lbf/in, XMD (12.3 kN/m)	80 lbf/in, MD (14 kN/m, MD) 80 lbf/in, XMD (14 kN/m, MD)
Elongation at Peak load at 0 °F (-18 °C)	D5147	20%, MD; 20%, XMD	50%, MD; 50%, XMD
Peak load at 73 °F (23 °C)	D5147	50 lbf/in, MD (8.8 kN/m) 50 lbf/in, XMD (8.8 kN/m)	55 lbf/in, MD (9.6 kN/m) 55 lbf/in, XMD (9.6 kN/m)
Elongation at Peak Load at 73 °F (23 °C)	D5147	35%, MD; 35%, XMD	50%, MD; 50%, XMD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	D5147	38%, MD; 38%, XMD	60%, MD; 60%, XMD
Tear Strength at 73 °F (23 °C)	D5147, D4073	55 lbf, MD (246 N) 55 lbf, XMD (246 N)	60 lbf, MD (267 N, MD) 60 lbf, XMD (267 N, MD)
Low Temperature Flexibility	D5147	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D5147, D1204	1%, MD; 1%, XMD	.2%, MD; .2%, XMD
Compound Stability	D5147	215 °F (102 °C)	250 °F (121 °C)
Granule Loss	D4977	2 g	0.5 g

Typical Properties

Cool Roof Rating Council (CRRC)	UltraWhite Sheet: Initial / CRRC Rapid Ratings**
Solar Reflectance	0.72 / 0.66
Thermal Emittance	0.90 / 0.89
Rated Product ID	0034
Licensed Manufacturer ID	0608
Classification	Production Line
Solar Reflectance Index (SRI)*	89 / 80
*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	

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

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