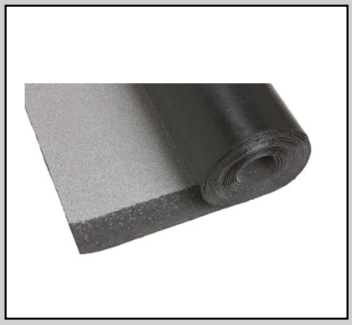
Product Data Sheet



SBS FR Torch

Item Description	Item Number
1 roll - white (1 square)	W81PWP16FT2N

Description

GenFlex SBS FR Torch is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high-quality asphalt reinforced with a 190 g/m² (3.89 lb/100 ft²) 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 Torch is designed specifically as the top layer for use with GenFlex SBS Modified Bitumen Systems and has the bottom surface covered with a poly burn-off film to aid in heat welding applications. GenFlex SBS Systems are ideal for use on both new construction and re-roofing projects.

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

Product Packaging

Property	Value
Roll width	3 ft 3 in (1 m)
Roll length	32 ft 10 in (10 m)
Net coverage	98 ft² (9.1 m²)
Pallet size	48 in x 39 in (1.2 m x 1 m)
Rolls per pallet	20
Roll weight	116.5 lb (52.84 kg)
Weight per pallet	2330 lb (1056.87 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 FR Torch shall be installed by fully heat welding the membrane to an appropriate substrate.
2. Please reference the Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of SBS FR Torch.

Acceptable Immediate Substrates for Heat Welded Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Approved GenFlex 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.

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 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 ft² (3661 g/m²)	95 lb/100 ft² (4639 g/m²)
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

NOTE: The initial SRI for standard white membrane is 33.

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