

Product Data Sheet



SBS Premium FR

Item Description	Item Number
1 roll – white (1 square)	W81HWS160FN

Description

SBS Premium FR is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 265 g/m² (5.43 lb/100 ft²) non-woven polyester mat enhanced with continuous glass fiber yarn. The combination results in a flexible, durable membrane. The addition of SBS rubber optimizes the natural waterproofing characteristics of asphalt and increases system performance. This proprietary fire-retardant compound provides resistance to thermal and physical forces over a wide range of temperatures.

SBS Premium FR is ideal for both new construction and reroofing applications. Low-slope roofs of any size, even those with numerous penetrations, may accommodate a SBS Premium FR application.

NOTE: Meets or exceeds performance requirements of ASTM D 6164, Type II, 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 ft ² (9.1 m ²)
Roll weight	115.5 lb (52.39 kg)
Pallet size	48 in x 39 in (1.2 m x 1 m)
Rolls per pallet	20
Weight per pallet	2310 lb (1047.8 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 Premium FR may be installed with approved hot asphalt or Multi-Purpose MB Cold Adhesive.
2. Please reference the Asphalt Roofing Systems Guide for Applicators and Designers available at www.genflex.com for detailed information regarding the application of SBS Premium FR Base.

Acceptable Immediate Substrates for Hot Asphalt Application

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

NOTE: Please reference the Asphalt Roofing Systems Guide for Applicators and Designers available at www.genflex.com for detailed information regarding the type of deck and insulation in use.

Acceptable Immediate Substrates for Cold Adhesive Application

1. Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
2. Approved GenFlex base sheet.
3. Existing Smooth Surface BUR or SBS Modified Bitumen (must be clean, smooth, and primed with ASTM D-41 primer).
4. DensDeck Prime, SECUROCK Gypsum Fiber.
5. Flat & Tapered ISO / GL ISO, HD ISO Cover Board, HD Composite, and Coated Glass ISO / CG ISO

NOTE: Please reference the Asphalt Roofing Systems Guide for Applicators and Designers available at www.genflex.com 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 Premium FR 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: 5%
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	ASTM Standard Required Value	Typical Performance
Product Thickness	D5147	130 mil (3.3 mm)	160 mil (4.1 mm)
Net mass	D146	90 lb/100 ft ² (4394 g/m ²)	95 lb/100 ft ² (4639 g/m ²)
Bottom side coating	D5147	n/a	39 mil (1 mm)
Peak load at 0 °F (-18 °C)	D5147	100 lbf/in, MD (12.3 kN/m) 100 lbf/in, XMD (12.3 kN/m)	105 lbf/in, MD (18 kN/m, MD) 105 lbf/in, XMD (18 kN/m, MD)
Elongation at Peak load at 0 °F (-18 °C)	D5147	20%, MD; 20%, XMD	30%, MD; 30%, XMD
Peak load at 73 °F (23 °C)	D5147	70 lbf/in, MD (12 kN/m) 70 lbf/in, XMD (12 kN/m)	75 lbf/in, MD (13 kN/m) 75 lbf/in, XMD (13 kN/m)
Elongation at Peak Load at 73 °F (23 °C)	D5147	50%, MD; 50%, XMD	55%, MD; 55%, XMD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	D5147	60%, MD; 60%, XMD	65%, MD; 65%, XMD
Tear Strength at 73 °F (23 °C)	D5147, D4073	70 lbf, MD (311 N) 70 lbf, XMD (311 N)	75 lbf, MD (334 N, MD) 75 lbf, XMD (334 N, MD)
Low Temperature Flexibility	D5147, D1204	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D5147	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: Meets ASTM D 6164, Type II, Grade G.

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

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

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