

Product Data Sheet



SBS Smooth

Item Description	Item Number
1 roll	W81PSS1400

Description

SBS Smooth is a premium inter-ply membrane made with Styrene-Butadiene-Styrene modified bitumen and reinforced with a 190 g/m² (3.89 lb/100 ft²) non-woven polyester mat enhanced with continuous glass fiber strands. The combination results in a flexible, durable membrane. The addition of SBS rubber optimizes asphalt's natural waterproofing characteristics and increases system performance. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures.

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

NOTE: Meets or exceed performance requirements of ASTM D 6164, Type I, Grade S

Product Packaging	
Property	Value
Roll width	3 ft 3 in (1 m)
Roll length	33 ft 6 in (10.2 m)
Net coverage	98 ft ² (9.1 m ²)
Roll weight	107.5 lb (48.8 kg)
Pallet size	48 in x 39 in (1.2 m x 1 m)
Rolls per pallet	20
Weight per pallet	2150 lb (975.2 kg)

Product Preparation

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 Smooth may be installed with GenFlex-approved hot asphalt or Multi-Purpose MB Cold Adhesive.
2. Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available at www.genflex.com for detailed information regarding the application of SBS Smooth.

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.

Acceptable Immediate Substrates for Cold Adhesive 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.
- Flat & Tapered ISO / GL ISO, HD ISO Cover Board, HD Composite, and Coated Glass ISO / CG ISO

NOTE: Please reference the GenFlex 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 Smooth 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

Property	Test Method	Performance Minimum	Typical Performance
Product Thickness	D5147	85 mil (2.2 mm)	145 mil (3.7 mm)
Net mass	D146	54 lb/100 ft ² (2636 g/m ²)	85 lb/100 ft ² (4150 g/m ²)
Bottom side coating	D5147	n/a (not a torch product)	45 mil (0.8 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 (9 kN/m) 50 lbf/in, XMD (9 kN/m)	55 lbf/in, MD (10 kN/m) 55 lbf/in, XMD (10 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 (167 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)

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

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