

Technical Information Sheet



SBS BASE

Item Description	Item Number
1 Roll (1.5 Square)	W71FSS0825
Meets or exceeds performance requirements of ASTM D 6163, Type I, Grade S.	

DESCRIPTION

SBS Base is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high-quality asphalt reinforced with a 1.8 lb/100 ft² (90 g/m²) strong non-woven fiberglass mat. The addition of SBS rubber polymer optimizes the asphalt blend to increase its natural waterproofing properties, adding elongation, elasticity, and flexibility. The inorganic fiber glass reinforcement resists moisture absorption and provides strength and stability to the product, yielding a membrane that resists natural forces and other factors on the rooftop. SBS Base is designed specifically as a base layer for use with SBS Modified Bitumen Systems and is ideal for use on both new construction and reroofing projects.

PRODUCT PACKAGING

Property	Value	Property	Value
Roll Width	3 ft 3 in (1 m)	Pallet Size	48 x 39 in (1.2 x 1 m)
Roll Length	50 ft (15.2 m)	Rolls Per Pallet	25
Net Coverage	149 ft ² (13.8 m ²)	Weight per Pallet	2,375 lb (1,077.3 kg)
Roll Weight	95 lb (43.1 kg)		

METHOD OF APPLICATION

1. SBS Base can be installed in Elevate-approved hot asphalt or Multi-Purpose MB Cold Adhesive
2. Please reference the Elevate Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of SBS Base.

ACCEPTABLE IMMEDIATE SUBSTRATES FOR COLD ADHESIVE 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).
- DensDeck® Prime, SECUROCK® Gypsum Fiber.
- ISO 95+™ GL Insulation, ISOGARD™ HD Composite, ISOGARD HD Cover Board, and RESISTA™ Insulation.

NOTE: Please reference the Elevate Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the type of deck and insulation in use.

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).
- DensDeck Prime, SECUROCK Gypsum Fiber, STRUCTODEK® HD with Primed Red Coating.

NOTE: Please reference the Elevate 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 Base 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

Properties	Test Method	ASTM Standard Required Value	Typical Performance
Product Thickness	D 5147	80 mil (2 mm)	90 mil (2.3 mm)
Net Mass	D 146	45 lb/100 ft ² (2,197 g/m ²)	57 lb/100 ft ² (2,783 g/m ²)
Bottom Side Coating	D 5147	N/A (Not a Torch Product)	31 mil (0.8 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12.3 kN/m)	75 lbf/in, MD (13.1 kN/m, MD)
		70 lbf/in, XMD (12.3 kN/m)	75 lbf/in, XMD (13.1 kN/m, MD)
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)	40, lbf/in, MD (7.0 kN/m)
		30 lbf/in, XMD (5.3 kN/m)	40, lbf/in, XMD (7.0 kN/m)
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	15%, MD
		3%, XMD	15%, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	35 lbf, MD (156 N)	40 lbf, MD (178 N, MD)
		35 lbf, XMD (156 N)	40 lbf, XMD (178 N, XMD)
Low Temperature Flexibility	D 5147	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D 5147, D 1204	0.5% Change, MD	0.2% Change, MD
		0.5% Change, XMD	0.2% Change, XMD
Compound Stability	D 5147	215 °F (102 °C)	250 °F (121 °C)

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Page 3