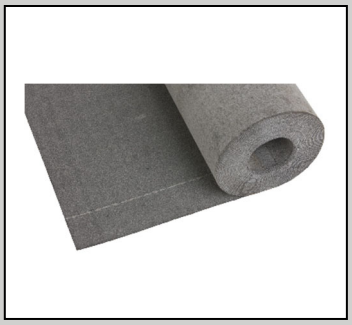
Technical Information Sheet



SBS SMOOTH

Item Description	Item Number
1 Roll (1 Square)	W71PSS1400

Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade S

DESCRIPTION

SBS Smooth is a premium inter-ply membrane made with Styrene-Butadiene-Styrene modified bitumen and reinforced with a 190 g/m^2 (3.89 lb/100 ft^2) 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.

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	33 ft 6 in (10.2 m)	Rolls Per Pallet	20
Net Coverage	98 ft^2 (9.1 m^2)	Weight per Pallet	2,150 lb (975.2 kg)
Roll Weight	107.5 lb (48.8 kg)		

METHOD OF APPLICATION

1. SBS Smooth may be installed with 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 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).
- 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.

ACCEPTABLE IMMEDIATE SUBSTRATES FOR COLD ADHESIVE APPLICATION

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Approved Elevate 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.
- ISO 95+™ GL / ISOGARD™ GL, ISOGARD HD Composite, ISOGARD HD Cover Board, and RESISTA™ / ISOGARD CG 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.

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

Properties	Test Method	Performance Minimum	Typical Performance
Product Thickness	D 5147	85 mil (2.2 mm)	145 mil (3.7 mm)
Net Mass	D 146	54 lb/100ft^2 (2636 g/m^2)	85 lb/100ft^2 (4150 g/m^2)
Bottom Side Coating	D 5147	N/A	45 mil (1.1 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12 kN/m)	80 lbf/in, MD (14 kN/m)
		70 lbf/in, XMD (12 kN/m)	80 lbf/in, MD (14 kN/m)
Elongation at Peak Load at 0 °F (-18 °C)	D 5147	20% MD	50% MD
		20% XMD	50% XMD
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (9 kN/m)	55 lbf/in, MD (10 kN/m)
		50 lbf/in, XMD (9 kN/m)	55 lbf/in, MD (10 kN/m)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	35% MD	50% MD
		35% XMD	50% XMD
Ultimate Elongation at 5% of Peak load at 73 °F (23 °C)	D 5147	38% MD	60% MD
		38% XMD	60% XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	55 lbf, MD (246 N)	60 lbf, MD (267 N)
		55 lbf, XMD (246 N)	60 lbf, MD (267 N)
Low Temperature Flexibility	D 5147, D 1204	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D 5147	1% Change MD	0.2% Change, MD
		1% Change XMD	0.2% Change, XMD
Compound Stability	D 5147	215 °F (102 °C)	250 °F (121 °C)