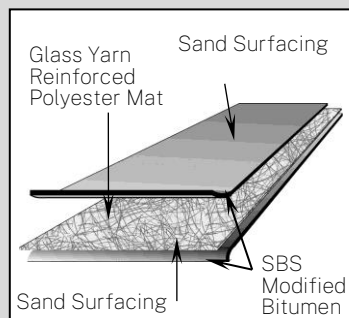


Technical Information Sheet



SBS 180 Base

Item Description	Item Number
1 Roll (1.5 Square)	W71PSS180

Description

SBS 180 Base is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high-quality asphalt reinforced with a 180 g/m² (3.69 lb/100 ft²) strong non-woven polyester mat enhanced with continuous fiberglass yarns. The addition of SBS rubber polymer optimizes the asphalt blend to increase its natural waterproofing properties, adding elongation, elasticity and flexibility to the sheet. The fiberglass reinforced polyester provides strength and stability to the product, yielding a membrane that resists natural forces and other factors on the rooftop. SBS 180 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.

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

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	2,400 lb (1,088 kg)
Roll Weight	96 lb (44 kg)		

Method of Application

1. SBS 180 Base can be installed in Holcim-approved hot asphalt or Multi-Purpose MB Cold Adhesive.
2. Please reference the Holcim Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of SBS 180 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

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

NOTE: Please reference the Holcim 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 180 Base membrane 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.

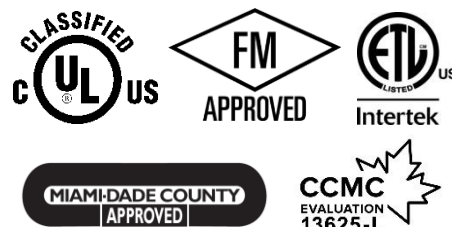
Precautions

- 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)	90 mil (2.3 mm)
Net Mass	D 146	54 lb/100 ft ² (2,636 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, MD)	75 lbf/in, MD (13.1 kN/m, MD)
		70 lbf/in, XMD (12.3 kN/m, XMD)	75 lbf/in, XMD (13.1 kN/m, XMD)
Elongation at Peak Load at 0 °F (18 °C)	D 5147	20 %, MD	30 %, MD
		20 %, XMD	30 %, XMD
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (8.8 kN/m, MD)	55 lbf/in, MD (9.6 kN/m, MD)
		50 lbf/in, XMD (8.8 kN/m, XMD)	55 lbf/in, XMD (9.6 kN/m, XMD)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	35 %, MD	40 %, MD
		35 %, XMD	40 %, XMD
Ultimate Elongation at 5 % of Peak Load 73 °F (23 °C)	D 5147	38 %, MD	45 %, MD
		38 %, XMD	45 %, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	55 lbf, MD (246 N, MD)	60 lbf, MD (267 N, MD)
		55 lbf, XMD (246 N, XMD)	60 lbf XMD (267 N, XMD)
Low Temperature Flexibility	D 5147	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability	D 5147, D 1204	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)

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

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