

Technical Information Sheet



SBS POLY TORCH BASE

Item Description	Item Number
1 Roll (1 Square)	W71PSP1625
Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade S.	

DESCRIPTION

SBS Poly Torch Base is a modified bitumen membrane featuring a blend of SBS (Styrene-Butadiene-Styrene) rubber polymer and high-quality asphalt reinforced with a 190 g/m² (3.89 lb/100 ft²) strong non-woven polyester mat enhanced with continuous fiber glass 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. The top surface is covered with a fine particle sand surfacing and the bottom surface is covered with a poly burn-off film to aid in heat welding applications. SBS Poly Torch Base membrane 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	33 ft 5 in (10.2 m)	Rolls Per Pallet	25
Net Coverage	98 ft ² (9.1 m ²)	Weight per Pallet	2,225 lb (1009.2 kg)
Roll Weight	89 lb (40.37 kg)		

METHOD OF APPLICATION

1. SBS Poly Torch Base membrane must be installed by fully heat welding to an appropriate substrate.
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 Poly Torch Base.

ACCEPTABLE IMMEDIATE SUBSTRATES FOR HEAT-WELDED 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

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 Poly Torch 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)	120 mil (3.0 mm)
Net Mass	D 146	54 lb/100 ft ² (2,636 g/m ²)	77 lb/100 ft ² (3,760 g/m ²)
Bottom Side Coating	D 5147	40 mil (1.0 mm)	47 mil (1.2 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12.3 kN/m, MD)	75 lbf/in, MD (13 kN/m, MD)
		70 lbf/in, XMD (12.3 kN/m, XMD)	75 lbf/in, XMD (13 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 (13 kN/m, MD)
		50 lbf/in, XMD (8.8 kN/m, XMD)	55 lbf/in, XMD (11 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)

TYPICAL PROPERTIES (Continued)

Properties	Test Method	Performance Minimum	Typical Performance
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)

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