

Technical Information Sheet



SBS TORCH

Item Description	Item Number
1 Roll – UltraWhite™ (1 Square)	W71PNUWP160T
1 Roll – White (1 Square)	W71PWP160TN
1 Roll – Black (1 Square)	W71PBP160TN
Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade G.	

DESCRIPTION

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

SBS Torch is ideal for both new construction and reroofing applications. Low-slope roofs of any size, even those with numerous penetrations, may accommodate a SBS Torch application. SBS Torch with UltraWhite granules has a highly reflective surface designed to meet national, state and local energy code requirements.

PRODUCT PACKAGING

Property	Black Value	White Value	UltraWhite Value
Roll Width	3 ft 3 in (1 m)	3 ft 3 in (1 m)	3 ft 3 in (1 m)
Roll Length	32 ft 10 in (10 m)	32 ft 10 in (10 m)	32 ft 10 in (10 m)
Net Coverage	98 ft ² (9.1 m ²)	98 ft ² (9.1 m ²)	98 ft ² (9.1 m ²)
Pallet Size	48 x 39 in (1.2 x 1 m)	48 x 39 in (1.2 x 1 m)	48 x 39 in (1.2 x 1 m)
Rolls Per Pallet	20	20	20
Roll Weight	115.5 lb (52.39 kg)	112.5 lb (51.03 kg)	113.5 lb (51.48 kg)
Weight per Pallet	2,310 lb (1,047.79 kg)	2,250 lb (1,020.58 kg)	2,270 lb (1,029.65 kg)

METHOD OF APPLICATION

1. SBS Torch shall be installed by fully heat welding the membrane 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 Torch Base.

ACCEPTABLE IMMEDIATE SUBSTRATES FOR HEAT-WELDED 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.

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 Torch 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	130 mil (3.3 mm)	150 mil (3.8 mm)
Net Mass	D 146	75 lb/100 ft ² (3,661 g/m ²)	90 lb/100 ft ² (4,394 g/m ²)
Bottom Side Coating	D 5147	40 mil (1.0 mm)	43 mil (1.1 mm)
Peak Load at 0 °F (-18 °C)	D 5147	70 lbf/in, MD (12 kN/m, MD)	80 lbf/in, MD (14 kN/m, MD)
		70 lbf/in, XMD (12 kN/m, XMD)	80 lbf/in, XMD (14 kN/m, XMD)
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, MD)	55 lbf/in, MD (10 kN/m, MD)
		50 lbf/in, XMD (9 kN/m, XMD)	55 lbf/in, XMD (10 kN/m, XMD)
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 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, MD)	60 lbf, MD (267 N, MD)
		55 lbf, XMD (246 N, XMD)	60 lbf, XMD (267 N, XMD)
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)
Granule Loss	D 4977	2 g	0.5 g

RADIATIVE PROPERTIES (ULTRAWHITE SHEET ONLY)

Cool Roof Rating Council (CRRC)	UltraWhite Sheet: Initial / CRRC Rapid Ratings**
Solar Reflectance	0.72 / 0.63
Thermal Emittance	0.92 / 0.91
Rated Product ID	0034
Licensed Manufacturer ID	0608
Classification	Production Line
Solar Reflectance Index (SRI)*	89 / 77
*SRI calculated using the ORNL (DOE) calculator, ASTM E 1980-01	
**CRRC Rapid Ratings utilize the laboratory-aging practice in ASTM D7897 to simulate 3-year aged values.	
NOTE: The initial SRI for standard white membrane is 33. The SRI for black membrane is N/A.	

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