

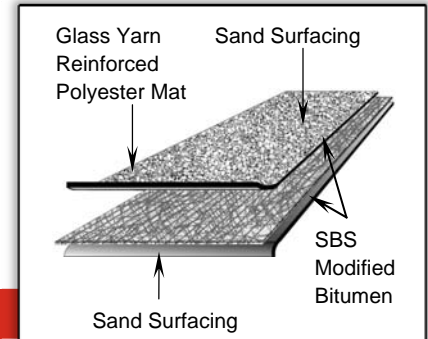
SBS Premium Poly Base

Item Description

1 Roll

Item Number

W71HSS1600



Meets ASTM D 6164, Type II, Grade S. Tested in Accordance with D 5147.

Product Information

Description:

Firestone SBS Premium Poly Base is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 265 g/m² (5.43 lb/100 ft²) non-woven polyester mat enhanced with continuous glass fiber yarn in the machine direction. The combination results in a flexible, durable membrane. The addition of SBS rubber optimizes the natural waterproofing characteristics of asphalt and increases system performance by adding elongation, elasticity and flexibility to the sheet. This proprietary compound provides resistance to thermal and physical forces over a wide range of temperatures.

SBS Premium Poly Base is ideal for both new construction and reroofing applications. SBS Premium Poly Base is designed specifically as a base layer for use with Firestone SBS Modified Bitumen Systems and is an excellent choice when a strong, heavy base is required in the roofing system.

Product Packaging

Roll Width:	3.3' (1 m)	Pallet Size:	48" x 39" (1.2 m x 1 m)
Roll Length:	33.5' (10.21 m)	Rolls Per Pallet:	20
Net Coverage:	101 ft ² (9.42 m ²)	Weight per Pallet:	2,400 lb (1,088.62 kg)
Roll Weight:	120 lb (47.2 kg)		

Method of Application:

- SBS Premium Poly Base can be installed with hot asphalt, heat-fusing, Firestone Multi-Purpose MB Cold Adhesive or Firestone LiquiGard™ adhesive.
- Please see the SBS Application Guide at www.firestonebpco.com for detailed information regarding the application of SBS Premium Poly Base membrane.

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, STRUCTODEK® HD.
- Firestone ISO 95+™ GL Insulation, ISOGARD™ HD Composite or Cover Board, RESISTA™ Insulation.

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.

SBS Premium Poly Base

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.

NOTE: Please consult the SBS Design Guide and QuickSpecs online at www.firestonebpco.com to review specific 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 Firestone SBS Premium Poly 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:

1. For additional safety information, refer to Safety Data Sheet (SDS).
2. Take care when transporting and handling Firestone Modified Bitumen rolls to avoid punctures and other types of physical damage.
3. Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all Firestone Modified Bitumen membranes.

LEED® Information:

Post Consumer Recycled Content: 5%
Pre Consumer Recycled Content: 0%
Manufacturing Location: Beech Grove, IN



*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

TECHNICAL INFORMATION SHEET



SBS Premium Poly Base

Typical Properties

Property	ASTM Required Value	Firestone Typical Performance
Product Thickness:	115 mil min (2.92 mm min)	160 mil (4.06 mm)
Net Mass:	70 lb/100 ft ² min (341.7 kg/m ² min)	106 lb/100 ft ² (517.5 kg/m ²)
Bottom Side Coating:	40 mil min (1.02 mm min)	40 mil (1.02 mm)
Peak Load at 0 °F (-18 °C):	100 lbf/in min, MD (18 kN/m min, MD)	140 lbf/in, MD (25 kN/m, MD)
	100 lbf/in min, CD (18 kN/m min, CD)	116 lbf/in, CD (20 kN/m, CD)
Elongation at Peak Load at 0 °F (-18 °C):	20% min, MD	41%, MD
	20% min, CD	50%, CD
Peak Load at 73 °F (23 °C):	70 lbf/in min, MD (12 kN/m min, MD)	85 lbf/in, MD (15 kN/m, MD)
	70 lbf/in min, CD (12 kN/m min, CD)	70 lbf/in, CD (12 kN/m, CD)
Elongation at Peak Load at 73 °F (23 °C):	50% min, MD	52%, MD
	50% min, CD	72%, CD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C):	60% min, MD	66%, MD
	60% min, CD	90%, CD
Heat Aged Peak Load at 0 °F (-18 °C):	100 lbf/in min, MD (18 kN/m, MD)	150 lbf/in, MD (26 kN/m, MD)
	100 lbf/in min, CD (18 kN/m, CD)	115 lbf/in, CD (20 kN/m, CD)
Heat Aged Elongation at Peak Load at 0 °F (-18 °C):	20% min, MD	50%, MD
	20% min, CD	60%, CD
Heat Aged Peak Load at 73 °F (23 °C):	70 lbf/in min, MD (12 kN/m, MD)	93 lbf/in, MD (16 kN/m, MD)
	70 lbf/in min, CD (12 kN/m, CD)	80 lbf/in, CD (14 kN/m, CD)
Heat Aged Elongation at Peak Load at 73 °F (23 °C):	50% min, MD	55%, MD
	50% min, CD	54%, CD
Heat Aged Ultimate Elongation at 5% of Peak Load 73 °F (23 °C):	60% min, MD.	62%, MD
	60% min, CD	66%, CD
Tear Strength at 73 °F (23 °C):	70 lbf min, MD (311 N min, MD)	130 lbf, MD (578 N, MD)
	70 lbf min, CD (311 N min, CD)	94 lbf, CD (418 N, CD)
Dimensional Stability:	1% max Change, MD	0.1% max Change, MD
	1% max Change, CD	0.1% max Change, CD
Low Temperature Flexibility:	0 °F max. (-18 °C max.)	-15 °F (-26 °C)
Compound Stability:	215 °F (102 °C)	250 °F (121 °C)

Please contact the Quality Building Services Technical Department at 1-800-428-4511 for further information.

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