

TECHNICAL INFORMATION SHEET

SBS Smooth

Item Description

1 Roll (1 Square)

Item Number

W71PSS1400

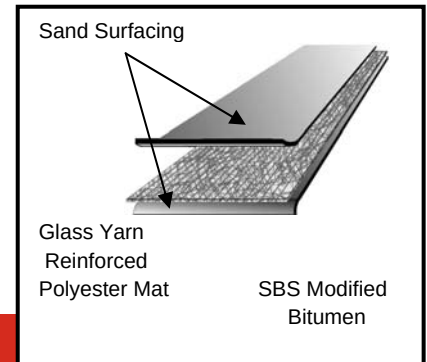
Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade S

Product Information

Description:

Firestone SBS Smooth is a premium inter-ply membrane made with Styrene-Butadiene-Styrene modified bitumen and reinforced with a 190 g/m² (3.89 lb/100 ft²) 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 reproofing applications. Low slope roofs of any size, even those with numerous penetrations, may accommodate a Firestone SBS Smooth application.



Product Packaging

Roll Width:	3' 3" (1 m)	Pallet Size:	48" x 39" (1.2 m x 1 m)
Roll Length:	33' 6" (10.2 m)	Rolls per Pallet:	20
Net Coverage:	98 ft ² (9.1 m ²)	Weight per Pallet:	2,050 lb (932 kg)
Roll Weight:	100 lb (45 kg)		

Method of Application:

1. SBS Smooth may be installed with Firestone-approved hot asphalt, Firestone Multi-Purpose MB Cold Adhesive, or LiquiGard™ Adhesive.
2. Please see the SBS Design and Application Guide at www.firestonebpco.com for detailed application information.

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.

Acceptable Immediate Substrates for Cold Adhesive Application:

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

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.

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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 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:

- For safety information, refer to the Safety Data Sheet (SDS) for SBS Membranes and Flashing.
- Take care when transporting and handling Firestone 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 Firestone Modified Bitumen membranes.

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 (Meets ASTM D 6164, Type I, Grade S)

Property	ASTM Standard	ASTM Standard Required Value	Typical Performance
Product Thickness:	D 5147	85 mil (2.2 mm)	145 mil (3.7 mm)
Net Mass:	D 146	54 lb/100ft ² (263.6 kg/m ²)	85 lb/100ft ² (415 kg/m ²)
Bottom Side Coating:	D 5147	N/A	45 mil (1.2 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 (-25 °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 (25 °C):	D 5147	35% MD	50% MD
		35% XMD	50% XMD
Ultimate Elongation at 5% of Peak load at 73 °F (25 °C):	D 5147	38% MD	60% MD
		38% XMD	60% XMD
Tear Strength at 73 °F (25 °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)

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

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.