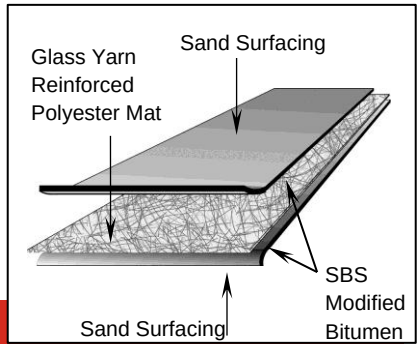
Firestone
Firestone Building Products

TECHNICAL INFORMATION SHEET

SBS PolyBase

Item Description
1 Roll (1.5 Square)

Item Number
W71PSS0925



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

Product Information

Description:

Firestone SBS PolyBase 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 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 PolyBase is designed specifically as a base layer for use with Firestone SBS Modified Bitumen Systems, and is ideal for use on both new construction and reroofing projects.

Product Packaging

Roll Width	3' 3" (1 m)	Pallet Size	48" x 39" (1.2 m x 1 m)
Roll Length	50' (15.2 m)	Rolls Per Pallet	25
Net Coverage	149 ft² (13.8 m²)	Weight per Pallet	2,175 lb (989 kg)
Roll Weight	85 lb (39 kg)		

Method of Application:

1. SBS PolyBase can be installed in Firestone-approved hot asphalt or Firestone Multi-Purpose MB Cold Adhesive.
2. Please see the Firestone Asphalt Roofing Systems Guide for Applicators and Designers at www.firstonebpco.com for detailed information regarding the application of SBS PolyBase.

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.
- Firestone 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 consult the Firestone Asphalt Roofing Systems Guide for Applicators and Designers 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 PolyBase 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.

SBS PolyBase

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%
Pre-Consumer Recycled Content: 0%
Manufacturing Location: Beech Grove, IN
*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

MIAMI-DADE COUNTY APPROVED
Intertek
FM APPROVED
CLASSIFIED UL US
CCMC 13263-L

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)	90 mil (2.3 mm)
Net Mass	D 146	54 lb/100 ft² (2,636 g/m²)	57 lb/100 ft² (2,783 g/m²)
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 Firestone Technical Services 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.