



## SBS PolyBase

**Meets ASTM D 6164-00, Type I, Grade S  
Tested in Accordance with ASTM D 5147**

**Firestone Item Number: W71PSS0925**

### DESCRIPTION:

Firestone SBS PolyBase is a modified bitumen base sheet consisting of a Styrene-Butadiene-Styrene (SBS) rubber modified asphalt reinforced with a 180 g/sq. m (5.3 oz./sq. yd.) non-woven polyester mat enhanced with continuous glass fiber strands in the machine direction. The glass fiber strand reinforcement contributes to the following:

- Increased machine direction dimensional stability
- Excellent tensile strength and puncture resistance
- High flexibility for ease of installation

<b>Roll Width:</b>	<b>3.3 ft (1 m)</b>
<b>Roll Length:</b>	<b>50 ft (15.2 m)</b>
<b>Net Coverage:</b>	<b>150 sq. ft (13.9 sq. m)</b>
<b>Roll Weight:</b>	<b>88 lb (39.9 kg)</b>

### APPLICATION METHOD:

SBS PolyBase shall be installed with conventional hot asphalt, or Firestone MB Cold Adhesive.

### STORAGE:

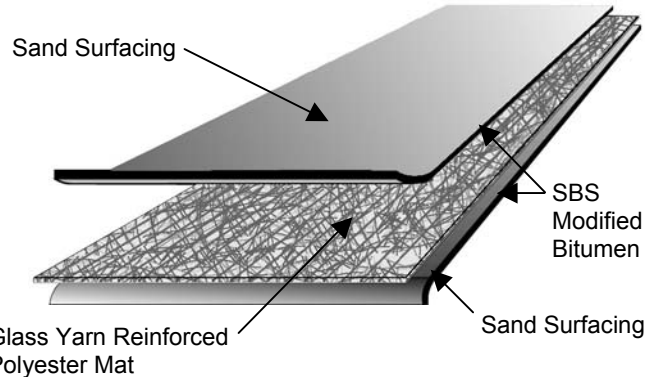
All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 40° F (4° C) and a maximum of 140° F (60° C) so that it will be a minimum of 40° F (4° C) at the time of application. If material must be stored temporarily on the roof before application, 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 not to exceed the allowable live load of the storage area.

<b>Pallet Size:</b>	<b>48" x 39" (1.2 m x 1 m)</b>
<b>Rolls Per Pallet:</b>	<b>25</b>
<b>Weight Per Pallet:</b>	<b>2,260 lb (1,025 kg)</b>
<b>Pallets Per Truckload:</b>	<b>20</b>

**Stack Firestone SBS PolyBase Squarely In Original Unopened Packaging No More Than Two (2) Pallets High**

This sheet is meant only to highlight Firestone's products and specifications. Information is subject to change without notice. Firestone takes responsibility for furnishing quality materials, which meet Firestone's published product specification. As neither Firestone itself nor its representatives practice architecture, Firestone offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure, or its ability to support a planned installation properly, the Owner should obtain opinions of competent structural engineers before proceeding. Firestone accepts no liability for any structural failure or for resultant damages, and no Firestone Representative is authorized to vary this disclaimer.

ISO 9000 ID No.: S723-PRD-035



**Manufactured in an ISO 9002 Registered Facility**

### PRECAUTIONS:

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. Contact Firestone Technical Services Department for specific recommendations.

### LEED INFORMATION:

Post Consumer Recycled Content:	8%
Post Industrial Recycled Content:	0%
Manufacturing Location:	Beech Grove, IN



Subject to the conditions of Approval when installed as described in the current edition of the FM Approval Guide



Type G-2 Coated Base/Ply for Roofing Systems  
As to an External Fire Exposure Only  
61P2  
See UL Directory of Products  
Certified for Canada  
And UL Roofing Materials  
And Systems Directory  
R9516



Certificate Number  
FM 38812



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## SBS PolyBase



**Meets ASTM D 6164-00, Type I, Grade S**  
**Tested in Accordance with ASTM D 5147- 02**

Values shown are an average of actual  
Quality Assurance values.

Dimensions and Mass	English			Metric		
	Property	Unit	ASTM Minimum	Firestone Nominal	Unit	ASTM Minimum
Product Thickness	mil	85.0	90.0	mm	2.2	2.3
Net Mass	lb/100 ft <sup>2</sup>	54.0	55.0	g/ sq. m	2,636	2,685
Bottom Coating	mil	N/A	35.0	mm	N/A	0.9

### Physical Properties

Maximum Load, 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	85.0	kN/m	12.3	MD	14.9
			XMD	79.0			XMD	13.8
Elongation at Maximum Load, 0° F (-18° C)	%	20	MD	26.0	%	20	MD	26.0
			XMD	27.0			XMD	27.0
Maximum Load, 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	70.0	kN/m	8.8	MD	12.3
			XMD	58.0			XMD	10.2
Elongation at Maximum Load, 73.4° F (25° C)	%	35	MD	55.0	%	35	MD	55.0
			XMD	75.0			XMD	75.0
Elongation at 5% Maximum Load, 73.4° F (25° C)	%	38	MD	65.0	%	38	MD	65.0
			XMD	86.0			XMD	86.0
Tear Strength, 73.4° F (25° C)	lbf	55	MD	106.0	N	244.8	MD	471.0
			XMD	79.0			XMD	352.0
Strain Energy at Maximum Load, 73.4° F (25° C)	in*lbf/in <sup>2</sup>	Not Stated	MD	33.1	N*m/m <sup>2</sup>	Not Stated	MD	143.4
			XMD	33.7			XMD	145.9
Dimensional Stability	% Change	1	MD	-0.2	% Change	1	MD	-0.2
			XMD	0.2			XMD	0.2
Low Temperature Flexibility	°F	0	-25		°C	-18	-31.7	
High Temperature Stability	°F	215	270		°C	102	132	
Granule Loss			Not Applicable		g		Not Applicable	

### Physical Properties After Conditioning

Maximum Load, 0° F (-18° C) (Tensile Strength)	lbf/in	70	MD	108.0	kN/m	12.3	MD	18.9
			XMD	81.0			XMD	14.2
Elongation at Maximum Load, 0° F (-18° C)	%	20	MD	45.0	%	20	MD	45.0
			XMD	49.0			XMD	49.0
Maximum Load, 73.4° F (25° C) (Tensile Strength)	lbf/in	50	MD	90.0	kN/m	8.8	MD	15.7
			XMD	67.0			XMD	11.7
Elongation at Maximum Load, 73.4° F (25° C)	%	35	MD	62.0	%	35	MD	62.0
			XMD	69.0			XMD	69.0
Elongation at 5% Maximum Load, 73.4° F (25° C)	%	38	MD	64.0	%	38	MD	64.0
			XMD	74.0			XMD	74.0
Low Temperature Flexibility	°F	0	-10.0		°C	-18	-23.3	