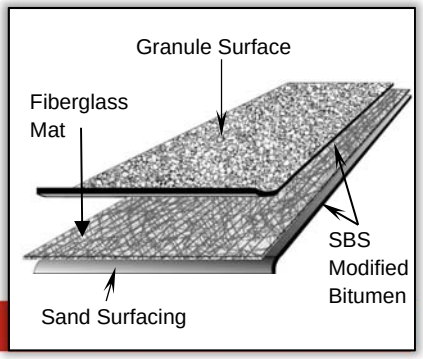
SBS Glass

Item Description	Item Number
1 Roll – UltraWhite™ (1 Square)	W71FUWS1600
1 Roll – White (1 Square)	W71FWS1600
1 Roll – Black (1 Square)	W71FBS1600



Meets or exceeds performance requirements of ASTM D 6163, Type I, Grade G

Product Information

Description:

Firestone SBS Glass is a Styrene-Butadiene-Styrene modified bitumen membrane that is reinforced with a 90 g/m² (1.8 lb/100 ft²) fiberglass mat. 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 Glass is ideal for both new construction and reroofing applications. Low-slope roofs of any size, even those with numerous penetrations, may accommodate a Firestone SBS Glass application.

Firestone SBS Glass with UltraWhite granules has a highly reflective surface designed to meet national, state and local energy code requirements.

Product Packaging

Roll Width:	3' 3" (1 m)
Roll Length:	33' 6" (10.2 m)
Net Coverage:	98 ft² (9.1 m²)
Roll Weight:	100 lb (45 kg)

Pallet Size:	48" x 39" (1.2 m x 1 m)
Rolls Per Pallet:	20
Weight per Pallet:	2,050 lb (932 kg)

Method of Application:

1. SBS Glass 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.

SBS Glass

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 Glass 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:

Postconsumer Recycled Content: 0%
Preconsumer 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 6163, Type I, Grade G)

Property	ASTM Standard	ASTM Standard Required Value	Typical Performance
Product Thickness:	D 5147	95 mil (2.4 mm)	155 mil (3.9 mm)
Net Mass:	D 146	65 lb/100 ft² (3,173 g/m²)	95 lb/100 ft² (4,639 g/m²)
Bottom Side Coating:	D 5147	N/A	47 mil (1.2 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, CD (12 kN/m, CD)	80 lbf/in, CD (14 kN/m, CD)
Elongation at Peak Load at 0 °F (-18 °C):	D 5147	1%, MD	3%, MD
		1%, CD	3%, CD
Peak Load at 73 °F (23 °C):	D 5147	30 lbf/in, MD (5 kN/m, MD)	35 lbf/in, MD (6 kN/m, MD)
		30 lbf/in, CD (5 kN/m, CD)	35 lbf/in, CD (6 kN/m, CD)
Elongation at Peak Load at 73 °F (23 °C):	D 5147	2%, MD	3%, MD
		2%, CD	3%, CD
Ultimate Elongation at 5% of Peak Load 73 ° F (23 °C):	D 5147	3%, MD	6%, MD
		3%, CD	6%, CD
Tear Strength at 73 ° F (23 °C):	D 5147, D 4073	35 lbf, MD (156 N, MD)	40 lbf, MD (178 N, MD)
		35 lbf, CD (156 N, CD)	40 lbf, CD (178 N, CD)
Low Temperature Flexibility:	D 5147	0 °F (-18 °C)	-15 °F (-26 °C)
Dimensional Stability:	D 5147, D 1204	0.5% Change, MD	0.2% Change, MD
		0.5% Change, CD	0.2% Change, CD
Compound Stability:	D 5147	215 °F (102 °C)	250 °F (121 °C)
Granule Loss:	D 4977	2 g	0.5 g

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Radiative Properties (UltraWhite Sheet Only)

Cool Roof Rating Council (CRRC):	UltraWhite Sheet: Initial / 3 yr Simulated**
Solar Reflectance	0.71 / 0.71**
Thermal Emittance	0.87 / 0.87**
Rated Product ID	0034
Licensed Manufacturer ID	0608
Classification	Production Line
Solar Reflectance Index (SRI)*	87
* SRI calculated using the ORNL (DOE) calculator, ASTM E 1980-01 **CRRC Rapid Ratings: These are interim laboratory-aged values that simulate weathered values.	

NOTE: The SRI for standard white membrane is 34. The SRI for black membrane is N/A.

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