

TECHNICAL INFORMATION SHEET

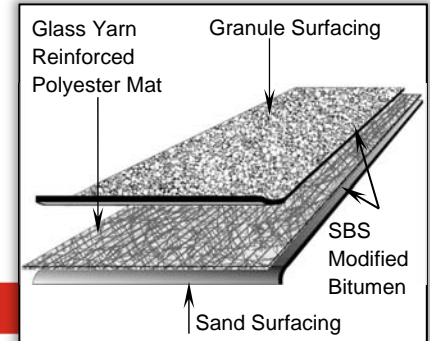
SBS Cap

Item Description

- 1 Roll – UltraWhite™ (1 Square)
- 1 Roll – White (1 Square)
- 1 Roll – Black (1 Square)

Item Number

- W71PUWS1600
- W71PWS1600
- W71PBS1600



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

Product Information

Description:

Firestone SBS Cap 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 fiber glass 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 mat provides strength and stability to the product, yielding a membrane that resists natural forces and other factors on the roof-top. SBS Cap is designed specifically as the top layer for use with Firestone SBS Modified Bitumen Systems. Firestone SBS Systems are ideal for use on both new construction and reroofing projects.

Firestone SBS Cap 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) | 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:

- SBS Cap can be installed in hot asphalt, Firestone Multi-Purpose MB Cold Adhesive or Firestone LiquiGard™ adhesive.
- Please see the SBS Design and Application Guide at www.firestonebpc.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.

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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 Cap 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%

Pre-Consumer Recycled Content: 0%

Manufacturing Location: Beech Grove, IN

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



CCMC 13263-L

Typical Properties (Meets ASTM D 6164, Type I, Grade G)

| Property | ASTM Standard | ASTM Standard Required Value | Typical Performance |
|---|----------------|---|---|
| Product Thickness: | D 5147 | 130 mil (3.3 mm) | 155 mil (3.9 mm) |
| Net Mass: | D 146 | 75 lb/100 ft ² (3,661 g/m ²) | 95 lb/100 ft ² (4,639 g/m ²) |
| Bottom Side Coating: | D 5147 | N/A (Not a Torch Product) | 47 mil (1.2 mm) |
| Peak Load at 0 °F (-18 °C): | D 5147 | 70 lbf/in, MD (12.3 kN/m, MD) | 80 lbf/in, MD (14 kN/m, MD) |
| | | 70 lbf/in, XMD (12.3 kN/m, XMD) | 80 lbf/in, XMD (14 kN/m, XMD) |
| Elongation at Peak Load at 0 °F (-18 °C): | D 5147 | 20%, MD | 50%, MD |
| | | 20%, XMD | 50%, 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 | 50%, MD |
| | | 35%, XMD | 50%, XMD |
| Ultimate Elongation at 5% of Peak Load 73 °F (23 °C): | D 5147 | 38%, MD | 60%, MD |
| | | 38%, XMD | 60%, 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) |
| Granule Loss: | D 4977 | 2 g | 0.5 g |

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Radiative Properties (UltraWhite Sheet Only)

| <u>Cool Roof Rating Council (CRRC):</u> | <u>UltraWhite Sheet: Initial / 3 yr Simulated**</u> |
|--|---|
| 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 initial SRI for standard white membrane is 32. The SRI for black membrane is N/A.



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

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