

Product Data Sheet



SBS FR SA CAP

Item Description	Item Number
1 Roll – Reflective White™ (1 Square)	W81PRW140FSAV
1 Roll – White (1 Square)	W81PW140FSAV
1 Roll – Black (1 Square)	W81PB140FSAV
Meets or exceeds performance requirements of ASTM D 6164, Type I, Grade G.	

Description

SBS FR SA CAP is a self-adhered Styrene-Butadiene-Styrene (SBS) granulated cap sheet, with fire retardant additives for use in low-slope roofing. It is designed to provide a cleaner application, improve application speed and remove the need for torches, hot asphalt or bonding adhesives on the job site. Especially for job sites with limited access for special installation equipment or where using a propane torch or hot asphalt is undesirable or prohibited. SBS FR SA CAP is constructed with a durable non-woven polyester reinforcement that provides flexibility and dimensional stability as well as excellent tear and puncture resistance.

Product Preparation

1. SBS FR SA CAP may be applied directly to approved substrates such as: approved roof insulation, GenFlex film-surfaced base sheets and certain roof deck types. Do not apply directly to shingles, shakes, steep-sloped residential roof coverings or existing mineral surfaced roof membrane systems.
2. Apply SBS FR SA CAP membrane only in dry weather and when air and surface temperatures are 40°F (5°C) and rising. Roofing installation shall not be conducted when any form of water, such as rain, dew, ice, frost, snow, are present.
3. All roof deck or substrate areas shall have positive drainage, be properly supported, structurally sound to support the live and dead load requirements of the roofing system, and sufficiently rigid to support construction traffic. A minimum slope requirement of 1/4" per foot of rise is recommended.
4. Apply over clean, dry, dust and debris-free substrates. When fully bonding, prime concrete decks and required substrates, prior to application with ASTM D-41 asphalt primer. Any primed substrate should be fully dry prior to installation. Refer to primer manufacturer's recommended coverage rate.

Method of Application

1. Start at the low point of the roof.
2. Unroll the material and allow to relax.
3. Start by removing the first 18–24" of release film.
4. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
5. Gradually remove the remaining release film applying pressure from the center to the edges as you go.

6. Position successive rolls lapping granule to granule end laps at 6" and 3" lap at the granule free side lap. Ensure a watertight seal.
7. Heat weld with a dedicated wide tip, lightly embedding granules, or use GenFlex Multi-Purpose Flashing Cement at granule to granule end laps.
8. When detailing seam intersections (45-degree cuts at T-joints), extra care is required to ensure the GenFlex detail is properly executed
9. After installation of the entire roof surface, roll with a 75 lb minimum weighted split-face roller. Take care on sloped roofs by securing the roller and applicator with the appropriate safety equipment.

Note: Details and flashing may be installed with a hot air welder or with GenFlex Multi-Purpose MB Flashing Cement. Refer to GenFlex published details for proper design and installation of detail work.

Acceptable Immediate Substrates for Self-Adhered Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D41 asphalt primer).
- Plywood
- GenFlex SBS FF Torch Base, GenFlex SBS FS Base
- SBS FR SA Base, SBS SA Base
- DensDeck® Prime, DensDeck® ProFast, SECUROCK® Gypsum Fiber, GenFlex GL ISO, HD Comp or HD ISO, CG ISO (No primer required) Insulation must be a minimum of 1.5" thick.

NOTE: Please consult the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers found on the GenFlex website for detailed application information.

Storage

- GenFlex self-adhered membranes to be stored at room temperature whenever possible and in an upright position on a flat surface. If stored correctly, the shelf life is one (1) year.
- Avoid storing out of packaging for prolonged periods, especially above 88°F (31°C), in direct sunlight.
- Do not take the roll out of the packaging until it is ready for application.
- Do not store or stage rolls in direct sunlight.

Precautions

- For safety information, refer to the Safety Data Sheet (SDS) for SBS FR SA Cap Membranes and Flashing.
- Take care when transporting and handling GenFlex SBS SA 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 GenFlex SBS SA membranes.

LEED® Information

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

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



Product Data

Property	Value
Roll Width	3' 3" (1 m)
Roll Length	32' 10" (10 m)
Net Coverage	100 ft ² (9.3 m ²)
Roll Weight	87 lb (39.6 kg)
Pallet Size	48" x 39" (1.2 m x 1m)
Rolls per Pallet	25
Weight per Pallet	2,175 lb (986.56 kg)

Typical Properties

Property	ASTM Method	ASTM Standard Required Value	GenFlex Typical Performance
Product Thickness	D5147	130 mil (3.3 mm)	140 mil (3.5 mm)
Peak Load at 0°F [-18°C]	D5147	70 lbf/in [12.3 kN/m]	140 lbf/in [24.5 kN/m] - MD 93 lbf/in [16.3 kN/m] - XMD
Elongation at Peak Load at 0°F [-18°C]	D5147	≥ 20%	50% - MD, 62% - XMD
Peak Load at 73°F [23°C]	D5147	≥ 50 lbf/in [8.6 kN/m]	96 lbf/in [16.8 kN/m] - MD 72 lbf/in [12.6 kN/m] - XMD
Elongation at Peak Load at 73°F [23°C]	D5147	≥ 35%	47% - MD, 58% - XMD
Ultimate Elongation at 73°F [23°C]	D5147	≥ 38%	58% - MD, 71% - XMD
Tear Strength at 73°F [23°C]	D5147	≥ 55 lbf [246 N]	138 lbf [614 N] - MD 98 lbf [436 N] - XMD
Low Temperature Flexibility [maximum]	D5147	0°F [-18°C]	PASS
Dimensional Stability, max %		≤ 1%	0%
Compound Stability:	D5147	Pass/Fail	PASS
Adhesion to Plywood (min at 40°F)	D1970	2.0 lbf/ft	4.6 lbf/ft
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft	29.0 lbf/ft
Granule Embedment (maximum loss)	D5147	≤ 2 g	1 g

Please contact GenFlex Technical Services at 800-443-4272 for further information.

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