

Product Data Sheet



SBS FR SA BASE

Item Description	Item Number
1 Roll – (2 Square)	W81FP080FSAV
Meets or exceeds performance requirements of ASTM D 6163, Type I, Grade S.	

Description

SBS FR SA BASE is a self-adhered Styrene-Butadiene-Styrene (SBS) elastomeric base ply membrane, 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 BASE is constructed with a durable reinforced fiberglass mat to ensure excellent dimensional stability.

Surface Preparation

1. SBS FR SA BASE 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 BASE 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, Unroll the material and allow to relax.
2. Start by removing the first 18–24" of release film.
3. Press the membrane into place with firm and even pressure. Roll the edges with a silicone hand roller to ensure complete adhesion.
4. Gradually remove the remaining release film applying pressure from the center to the edges as you go.
5. Position successive rolls using the 6" lap at the end lap and 3" lap at the side lap. Ensure a watertight seal.
6. When detailing seam intersections (45-degree cuts at T-joints), extra care is required to ensure the GenFlex detail is properly executed

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April 22, 2026

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7. 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

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Plywood
- GenFlex SBS FF Torch Base, GenFlex SBS FS Base
- GenFlex SBS FR SA Base, GenFlex 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

- 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. If stored correctly, the shelf life is one (1) year.
- Do not stack SBS FR SA BASE Sheet 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.
- Do not store or stage rolls in direct sunlight.

Precautions

- For safety information, refer to the Safety Data Sheet (SDS) for SBS FR SA BASE Membranes and Flashing.
- Take care when transporting and handling GenFlex SBS FR 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 FR 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	65' 8" (20 m)
Net Coverage	200 ft ² (18.5 m ²)
Roll Weight	80 lb (36.5 kg)
Pallet Size	48" x 39" (1.2 m x 1m)
Rolls per Pallet	25
Weight per Pallet	2,000 lb (907.18 kg).

Typical Properties

Property	ASTM Standard	GenFlex Typical Performance
Product Thickness	D5147	80-mil (2.0 mm)
Peak Load at 0 °F (-18°C):	D5147	> 70 lbf/in (12.3 kN/m)
Elongation at Peak Load at 0°F (-18°C)	D5147	> 1%
Peak Load at 73°F (23°C)	D5147	> 30 lbf/in (5.3 kN/m)
Elongation at Peak Load at 73°F (23°C)	D5147	> 2%
Ultimate Elongation at 73°F (23°C)	D5147	> 3%
Tear Strength at 73°F (23°C)	D5147	> 35 lbf (156 N)
Dimensional Stability (maximum)	D5147	1%
Low Temperature Flexibility (maximum)	D5147	0°F (-18°C)
Compound Stability @ 215°F:	D5147	Pass/Fail
Adhesion to Plywood (min at 40°F)	D1970	2.0 lbf/ft (0.0292 kN/m)
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft (0.175 kN/m)
Waterproof integrity of lap seam	D1970	Pass/Fail
Waterproof Integrity after Low Temp Flexibility	D1970	Pass/Fail
Sealability around Nail	D1970	Pass/Fail
Thermal Stability	D1970	< 0.1 in
Moisture Vapor Permeance	D1970	0.1 perms

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

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