

BITEC[®] SFS-3H is a premium quality SBS modified bitumen base ply manufactured using a time-proven, proprietary blend of select asphalts and polymers with minimal use of fillers and additives. SFS-3H is designed for hot asphalt or cold adhesive application over a variety of approved substrates in commercial roof membrane configurations.

FEATURES & BENEFITS

BITEC SFS-3H also provides the following features and benefits:

- Meets or exceeds the criteria of ASTM D6163 (Type I, Grade S) Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Glass Fiber Reinforcements
- A pliable, highly elastomeric bitumen blend with excellent waterproofing capabilities
- Reinforced with a notably strong fiberglass mat for superior dimensional stability and tensile strength

PACKAGING

Roll package: Paper wrap

Rolls per pallet: 24

Pallets per truckload (typical): 18

APPROVALS

NEMO Certified D1636630J

STANDARD SPECIFICATION(S):

ASTM D6163, TYPE I, GRADE S

APPLICATION



SFS-3H can be hot mopped in Type III or IV asphalt or applied using a notched squeegee in BITEC PMA-186 Adhesive.

Please refer to the BITEC Roofing Products Installer's Guide for detailed application guidelines.

As with any roofing project, good roofing practices should always be followed.

STORAGE & HANDLING

Store the SFS-3H rolls in their original containers with labels unbroken in a clean, dry, protected location and within the temperature range required to provide for proper application. Keep rolls stored upright on their original pallet. Never lay rolls down or stack materials on top of the rolls. Avoid dropped rolls on the edges to avoid potential deformation that can affect their ability to roll out evenly. Handle and place roofing materials and equipment in a manner to avoid permanent deflection of the deck.

PRECAUTIONS

BITEC SBS membranes are not recommended for use over coal tar or pitch roofs unless the existing deck is separated by a minimum 1/2" thick, mechanically attached recover board. BITEC does not allow the use of plastic roofer's cement with any of its membranes.

Safety first! The roofing contractor and employees are the key to success regarding safety. Safety should always be first! Read all label information, SDS, and precautions before using. For safety information on our products, please visit www.bitec.com.

| Technical Schedule | | |
|---|--|---|
| 3rd Party Independent: (NEMO ETC SGS SA Element Materials Technology) | | |
| Design Standard | Type I, Grade S | |
| Reinforcement | Fiberglass | |
| Polymer / Modifier | SBS | |
| Coverage (nominal) | 100 ft ² (9.3 m ²) | |
| Coverage | 98.5 ft ² (9.2 m ²) installed | 111.2 ft ² (10.3 m ²) / roll |
| Roll Dimensions | 33.9' (10.3 m) length | 3.28' (1.0 m) width |
| Weight | 75 lbs / 100 ft ² (34.0 kg / 9.3 m ²) | 85 lbs (38.6 kg) / roll |
| Membrane Surfacing | Top: Coal slag | Bottom: Coal slag |
| Selvage Width | 4" (10.16 cm) | |
| Selvage Surfacing | Polyethylene film | |
| Thickness | 3 mm (nominal) | 123 mils (average) |
| Average Results Reported Below: | | |
| Test Direction | | |
| | MD | XMD |
| Tear Strength | 118 lbf (524.9 N) | 110 lbf (489.3 N) |
| Peak Load @ 0°F (-17.8°C) | 105 lbf (467.1 N) | 81 lbf (360.3 N) |
| Peak Load @ 73°F (22.8°C) | 95 lbf (422.6 N) | 78 lbf (347.0 N) |
| Elongation at Peak Load @ 0°F (-17.8°C) | 4% | 4% |
| Elongation at Peak Load @ 73°F (22.8°C) | 4% | 3% |
| Ultimate Elongation | 27% | 27% |
| Low Temperature Flexibility @ -13°F (-25°C) | Pass | Pass |
| Aged (2,000 hours) Peak Load @ 0°F (-17.8°C) | 113 lbf (502.6 N) | 94 lbf (418.1 N) |
| Aged (2,000 hours) Peak Load @ 73°F (22.8°C) | 83 lbf (369.2 N) | 52 lbf (231.3 N) |
| Aged (2,000 hours) Elongation at Peak Load @ 0°F (-17.8°C) | 4% | 5% |
| Aged (2,000 hours) Elongation at Peak Load @ 73°F (22.8°C) | 4% | 3% |
| Aged (2,000 hours) Ultimate Elongation | 22% | 24% |
| Aged (2,000 hours) Low Temperature Flexibility @ 0°F (-17.8°C) | Pass | Pass |
| Dimensional Stability | 0% | 0% |
| Compound Stability | 225°F (107.2°C) | |

ASTM D6163

ASTM D5147

All information is given in good faith but normal tolerances of manufacture and testing will apply. BITEC reserves the right to improve and change its products at any time without prior notice or advice. The use of BITEC products is determined by local conditions and individual requirements of each contract. In consideration of the many factors involved, BITEC cannot be held responsible for the improper application of its products and for conditions beyond its control. All claims filed against BITEC warranties will be subject to the provisions set forth at the date of the warranty issuance, and any addendum thereto. Under no circumstances will BITEC be held liable for any damage, whether personal injury or property damage, which occur during or after the application of any BITEC products.

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