

BITEC[®] SPS-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. SPS-3H is designed for hot asphalt or cold adhesive application over a variety of approved substrates in commercial roof membrane configurations.

FEATURES & BENEFITS

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

- Meets or exceeds the criteria of ASTM D6164 (Type I, Grade S) Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements
- A pliable, highly elastomeric bitumen blend with excellent waterproofing capabilities
- Reinforced with a durable polyester mat for puncture resistance and tensile strength

PACKAGING

Roll package: Paper wrap

Rolls per pallet: 24

Pallets per truckload (typical): 18

APPROVALS

UL Classified R13231 Membrane for Roofing Systems as to an External Fire Exposure Only 49S8

NEMO Certified D5893712J

STANDARD SPECIFICATION(S):

ASTM D6164, TYPE I, GRADE S

FM Approved

APPLICATION



SPS-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 SPS-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	Polyester	
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	72 lbs / 100 ft ² (32.7 kg / 9.3 m ²)	81 lbs (36.7 kg) / roll
Membrane Surfacing	Top: Coal slag	Bottom: Coal slag
Selvage Width	4" (10.16 cm)	
Selvage Surfacing	Coal slag	
Thickness	3 mm (nominal)	124 mils (average)
Average Results Reported Below:		Test Direction
	MD	XMD
Tear Strength	126 lbf (560.5 N)	94 lbf (418.1 N)
Peak Load @ 0°F (-17.8°C)	135 lbf (600.5 N)	100 lbf (444.8 N)
Peak Load @ 73°F (22.8°C)	83 lbf (369.2 N)	55 lbf (244.7 N)
Elongation at Peak Load @ 0°F (-17.8°C)	68%	70%
Elongation at Peak Load @ 73°F (22.8°C)	55%	59%
Ultimate Elongation	64%	78%
Low Temperature Flexibility @ -13°F (-25°C)	Pass	Pass
Aged (2,000 hours) Peak Load @ 0°F (-17.8°C)	108 lbf (480.4 N)	91 lbf (404.8 N)
Aged (2,000 hours) Peak Load @ 73°F (22.8°C)	90 lbf (400.3 N)	54 lbf (240.2 N)
Aged (2,000 hours) Elongation at Peak Load @ 0°F (-17.8°C)	52%	51%
Aged (2,000 hours) Elongation at Peak Load @ 73°F (22.8°C)	50%	55%
Aged (2,000 hours) Ultimate Elongation	58%	61%
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 D6164

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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