

BITEC[®] SPM-3.5H is a premium quality SBS modified bitumen cap ply manufactured using a time-proven, proprietary blend of select asphalts and polymers with minimal use of fillers and additives. SPM-3.5H is designed for hot asphalt application over built-up ply felt systems, as well as hot asphalt or cold adhesive application over a variety of BITEC SBS modified bitumen base plies in commercial roof membrane configurations.

FEATURES & BENEFITS

BITEC SPM-3.5H also provides the following features and benefits:

- Meets or exceeds the criteria of ASTM D6164 (Type I, Grade G) Standard Specification for Styrene Butadiene Styrene (SBS) Modified Bituminous Sheet Materials Using Polyester Reinforcements
- Granule surface for UV and foot traffic protection
- Reinforced with a durable polyester mat for puncture resistance and tensile strength

PACKAGING

Roll package: Paper wrap

Rolls per pallet: 20

Pallets per truckload (typical): 18

Colors: Ultra White (CRRRC compliant), black, white, brown, buff, gray, jet black, brown blend, gray blend, tan blend, black blend, terra cotta, and slate blend.

APPROVALS

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

NEMO Certified D9479982J

STANDARD SPECIFICATION(S):

ASTM D6164, TYPE I, GRADE G

FLORIDA PRODUCT APPROVAL

FM Approved

TDI Evaluation ID: RC-58

HUD MR No. 1229

SPM-3.5H 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 SPM-3.5H 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.

APPLICATION



Technical Schedule
3rd Party Independent: (NEMO ETC | SGS SA | Element Materials Technology)

Design Standard	Type I, Grade G		ASTM D6164		
Reinforcement	Polyester				
Polymer / Modifier	SBS				
Coverage (nominal)	100 ft ² (9.3 m ²)		ASTM D5147		
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	101 lbs / 100 ft ² (45.8 kg / 9.3 m ²)	105 lbs (47.6 kg) / roll			
Membrane Surfacing	Top: Ceramic granules	Bottom: Coal Slag			
Selvage Width	4" (10.16 cm)				
Selvage Surfacing	Bitumen / smooth				
Thickness	3.5 mm (nominal)	143 mils (average)			
Average Results Reported Below:				Test Direction	
				MD	XMD
Tear Strength	117 lbf (520.4 N)	96 lbf (427.0 N)			
Peak Load @ 0°F (-17.8°C)	142 lbf (631.6 N)	95 lbf (422.6 N)			
Peak Load @ 73°F (22.8°C)	90 lbf (400.3 N)	77 lbf (342.5 N)			
Elongation at Peak Load @ 0°F (-17.8°C)	85%	88%			
Elongation at Peak Load @ 73°F (22.8°C)	73%	77%			
Ultimate Elongation	88%	101%			
Low Temperature Flexibility @ -13°F (-25°C)	Pass	Pass			
Aged (2,000 hours) Peak Load @ 0°F (-17.8°C)	148 lbf (658.3 N)	117 lbf (520.4 N)			
Aged (2,000 hours) Peak Load @ 73°F (22.8°C)	109 lbf (484.9 N)	76 lbf (338.1 N)			
Aged (2,000 hours) Elongation at Peak Load @ 0°F (-17.8°C)	74%	86%			
Aged (2,000 hours) Elongation at Peak Load @ 73°F (22.8°C)	66%	68%			
Aged (2,000 hours) Ultimate Elongation	73%	74%			
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)				
Granule Embedment (≤2g)	Pass				

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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