

**BITEC<sup>®</sup> SPM-4H/250 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-4H/250 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-4H/250 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 heavy duty, more durable polyester mat for increased puncture resistance and tensile strength

## PACKAGING

Roll package: Paper wrap

Rolls per pallet: 20

Pallets per truckload (typical): 18

Colors: Ultra White (CRRC 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 D4974373J

STANDARD SPECIFICATION(S):

ASTM D6164, TYPE I, GRADE G

## APPLICATION



SPM-4H/250 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-4H/250 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](http://www.bitec.com).

Technical Schedule		
3rd Party Independent: (NEMO ETC   SGS SA   Element Materials Technology)		
Design Standard	Type I, Grade G	
Reinforcement	Polyester	
Polymer / Modifier	SBS	
Coverage (nominal)	100 ft <sup>2</sup> (9.3 m <sup>2</sup> )	
Coverage	98.5 ft <sup>2</sup> (9.2 m <sup>2</sup> ) installed	111.2 ft <sup>2</sup> (10.3 m <sup>2</sup> ) / roll
Roll Dimensions	33.9' (10.3 m) length	3.28' (1.0 m) width
Weight	100 lbs / 100 ft <sup>2</sup> (45.4 kg / 9.3 m <sup>2</sup> )	102 lbs (46.3 kg) / roll
Membrane Surfacing	Top: Ceramic granules	Bottom: Coal Slag
Selvage Width	4" (10.16 cm)	
Selvage Surfacing	Bitumen / smooth	
Thickness	4 mm (nominal)	163 mils (average)
Average Results Reported Below:		Test Direction
		MD
Tear Strength	136 lbf (605.0 N)	97 lbf (431.5 N)
Peak Load @ 0°F (-17.8°C)	139 lbf (618.3 N)	122 lbf (542.7 N)
Peak Load @ 73°F (22.8°C)	83 lbf (369.2 N)	76 lbf (338.1 N)
Elongation at Peak Load @ 0°F (-17.8°C)	52%	53%
Elongation at Peak Load @ 73°F (22.8°C)	47%	55%
Ultimate Elongation	52%	63%
Low Temperature Flexibility @ -13°F (-25°C)	Pass	Pass
Aged (2,000 hours) Peak Load @ 0°F (-17.8°C)	132 lbf (587.2 N)	103 lbf (458.2 N)
Aged (2,000 hours) Peak Load @ 73°F (22.8°C)	97 lbf (431.5 N)	84 lbf (373.7 N)
Aged (2,000 hours) Elongation at Peak Load @ 0°F (-17.8°C)	46%	59%
Aged (2,000 hours) Elongation at Peak Load @ 73°F (22.8°C)	44%	56%
Aged (2,000 hours) Ultimate Elongation	59%	67%
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	

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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