

SBS Polymer-Modified Asphalt Membrane



ITEM CODE: 37AH

Description:

Tri-Ply® SBS Granule membrane is a granule-surfaced modified bitumen membrane manufactured to stringent GAF specifications. Its core is a strong, resilient, non-woven polyester mat that is coated with flexible, SBS polymer-modified asphalt and is surfaced with mineral granules.

Uses:

Tri-Ply® SBS Granule membrane is designed for new roofing and reroofing applications, as well as flashings. Tri-Ply® SBS Granule membrane is also a suitable product for repair of built-up roofing membranes or other modified bitumen systems. It can be installed with either hot asphalt or cold-applied adhesives.

Advantages:

- Light weight — installed roof designs weigh less than 2 pounds per square foot (9.8 kg per square meter).
- Resilient — polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- Durable — specially formulated modified asphalt for lasting performance.

Product Application:



Storage and Handling:

Store rolls on end and support in an upright position to prevent damage. Store rolls in a clean, dry location and cover as necessary to protect rolls from environmental damage. Monitor environmental conditions during storage, handling and application.

Testing and Approvals:

- UL Evaluation Report UL ERI306-02.
- Texas Department of Insurance Report RC-49.
- State of Florida Approved.
- UL Classified to ANSI/UL790 Class A Roofing Fire Rating. See UL Product iQ for actual assemblies.
- FM Approved. Refer to RoofNav.com for approved assemblies.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.



Product Specifications:

ASTM D6164 Type I, Grade G	
Coverage*	107.3 ft. ² (10.0 m ²)
Roll Length	32' 6" (10.0m)
Roll Width	39.625" (1.0 m)
Roll Weight	90 lb. (40.8 kg)
Roll Thickness	140 mils (3.6 mm)
Number Rolls per Pallet	30
Full Pallet weight)	2,750 lb. (1,247.4 kg)
Reinforcement	Polyester
Top Side Surfacing	Granule
Bottom Side Surfacing	Sand

* Roll size as reported represents actual membrane dimensions and does not calculate installation using side and end lap recommendations.

Physical Properties:

Property	Standard Minimum Value	GAF Value
Thickness, min. mils (mm), Grade G	130 (3.3)	140 (3.6)
Net mass/unit area, min. g/m ² (lb./100 ft. ²)	3,661 (75)	4,150 (85)
Bottom coating thickness, heat-welding application products, min. mm (mils)	1.0 (40)	1.0 (40)
Peak load at -18 +/-2° C (0 +/-3.6° F), MD and CMD, min. before and after heat conditioning, kN/m (lbf/in.)	MD - 12.3 (70) CMD - 12.3 (70)	MD - 21.9 (125) CMD - 14.9 (85)
Elongation at -18 +/-2° C (0 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 20.0 CMD - 20.0	MD - 40.0 CMD - 45.0
Peak load at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, kN/m (lbf/in.)	MD - 8.8 (50) CMD - 8.8 (50)	MD - 15.8 (90) CMD - 10.5 (60)
Elongation at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 35.0 CMD - 35.0	MD - 40.0 CMD - 50.0
Ultimate elongation 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, (%)	MD - 38.0 CMD - 38.0	MD - 45.0 CMD - 65.0
Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf)	246 (55)	534 (120)
Low-temperature flexibility, max. before and after heat conditioning, ° C (° F)	-18 (0)	-18 (0)
Dimensional stability, max. (%)	1.00	0.55
Compound stability at 102° C (215° F)	No Failures	No Failures
Granule embedment, max. (g)	2.0	1.0

Note: Values stated are average values and subject to normal manufacturing variation. These values are not guaranteed and are provided solely as a guide.



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