SBS-Modified Bitumen Smooth Membrane

RUBEROID®

GAF HW20Smooth

Membrane

ITEM CODE: 3787

Description:

RUBEROID® HW 20 Smooth membrane is a premium, SBS-modified bitumen base sheet. It consists of a lightweight random glass fiber mat impregnated and coated with modified bitumen. The top surface is covered with a mineral parting agent and the back surface is coated with an SBS-modified bitumen adhesive layer specifically formulated for torch applications with a polyolefin burn-off film bottom surface.

Uses:

RUBEROID® HW 20 Smooth membrane is designed for use in new roofing and recovery applications, as well as the construction of flashings. It is also suitable for repairs of built-up roofing membranes or other SBS-modified bitumen systems.

Advantages:

- Durability — the membrane combines the strength of fiberglass reinforcement with the elongation characteristics of SBS-modified asphalt.
- Product warranties and system guarantees are available. Contact your local sales representative for requirements, availability, and limitations. See warranties and guarantees on gaf.com for complete coverage and restrictions.

Product Application:

Heat-Weld

Storage and Handling:

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

Testing and Approvals:

- Classified by UL in accordance with ANSI/UL 790, including as a component of Class A fire resistance-rated roofing assemblies. Refer to UL Product iQ for specific assemblies.
- FM Approved — refer to roofnav.com for approved assemblies.
- State of Florida Approved.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6163 Type I, Grade S.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.

FM APPROVED

CLASSIFIED UL

Product Specifications:

ASTM D6163 Type I, Grade S	
Roll Size*	161.3 ft.² (15 m²)
Roll Length	49' 2" (15.0 m)
Roll Width	39.375" (1 m)
Roll Weight	97.0 lb. (44 kg)
Roll Thickness	90.6 mils (2.3 mm)
Rolls per Pallet	25
Full Pallet Weight	2,475 lb. (1,122.6 kg)
Reinforcement	Fiberglass
Top Side Surfacing	Mineral Parting Agent
Bottom Side Surfacing	Film

* 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 S	80 (2)	90.6 (2.3)
Net mass/unit area, min. g/m² (lb./100 ft.²)	2,197 (45)	2,197 (45)
Bottom coating thickness, heat-welding application products, min. mm (mils)	1 (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 - 12.3 (70) CMD - 12.3 (70)
Elongation at –18 +/-2°C (0 +/- 3.6°F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 1 CMD - 1	MD - 3 CMD - 3
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 - 5.3 (30) CMD - 5.3 (30)	MD - 5.3 (30) CMD - 5.3 (30)
Elongation at 23 +/-2°C (73.4 +/-3.6°F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 2 CMD - 2	MD - 4 CMD - 4
Ultimate elongation 23 +/-2°C (73.4 +/-3.6°F), MD and CMD, min. before and after heat conditioning, (%) (as manufactured)	MD - 3 CMD - 3	MD - 15 CMD - 25
Tear strength at 23 +/-2°C (73.4 +/-3.6°F), min. N (lbf)	156 (35)	178 (40)
Low-temperature flexibility, max. before and after heat conditioning, °C (°F)	-18 (0)	-18 (0)
Dimensional stability, max. (%)	0.50	0.20
Compound stability at 102°C (215°F)	No Failures	No Failures

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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