FR Modified Bitumen Membrane

RUBEROID®
GAF 30GranuleFR
Membrane

ITEM CODE: 3709

Description:

RUBEROID® 30 Granule FR membrane is a fire-rated modified bitumen membrane manufactured to stringent GAF specifications. Its core is a strong, resilient non-woven glass mat that is coated with SBS polymer-modified asphalt and surfaced with mineral granules.

Uses:

RUBEROID® 30 Granule FR membrane is designed for new roofing, including GAF's 20/30 FR system and re-cover applications, as well as in the construction of flashings. RUBEROID® 30 Granule FR membrane is also a suitable product for repairs of built-up roofing membranes or modified bitumen systems.

Advantages:

- Durability — RUBEROID® 30 Granule FR membrane combines the strength of fiberglass reinforcement with the elongation characteristic of SBS modified asphalt.
- Lighter Weight — installed roof designs weigh less than 3 pounds per square foot.
- Versatility — membranes are available with black or white granules.

Product Application:

Hot-Asphalt Cold Applied

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.
- Miami-Dade County Product Control Approved.
- State of Florida Approved.
- Texas Department of Insurance Report RC-49.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6163 Type I, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.

Product Specifications:

ASTM D6163 Type I, Grade G	
Roll Size*	106.6 ft.² (10.0 m²)
Roll Length	32' 6" (10.0 m)
Roll Width	39.375" (1.0 m)
Roll Weight	96 lb. (43.5 kg)
Roll Thickness	150 mils (3.8 mm)
Rolls per Pallet	25
Full Pallet Weight	2,450 lb. (1,111.3 kg)
Reinforcement	Fiberglass
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.

FM APPROVED CLASSIFIED UL MIAMI-DADE COUNTY APPROVED State of Florida Approved

Physical Properties:

Property	Standard Minimum Value	GAF Value
Thickness, min. mils (mm), Grade G	95 (2.4)	150 (3.8)
Net mass/unit area, min. g/m² (lb./100 ft.²)	3,173 (65)	4,348 (89)
Bottom coating thickness, heat-welding application products, min. mm (mils)	1.0 (40)	1.3 (52)
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 - 16.6 (95) CMD - 13.1 (75)
Elongation at –18 +/-2° C (0 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 1.0 CMD - 1.0	MD - 3.0 CMD - 3.0
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 - 5.3 (30) CMD - 5.3 (30)	MD - 12.3 (70) CMD - 8.8 (50)
Elongation at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 2.0 CMD - 2.0	MD - 3.2 CMD - 3.0
Ultimate elongation 23 +/-2 ° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, (%) (as manufactured)	MD - 3.0 CMD - 3.0	MD - 25.0 CMD - 45.0
Ultimate elongation 23 +/-2 °C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, (%)	MD - 3.0 CMD - 3.0	MD - 4.0 CMD - 5.0
Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf)	156 (35)	355 (80)
Low-temperature flexibility, max. before and after heat conditioning, ° C (° F)	-18 (0)	-18 (0)
Dimensional stability, max. (%)	0.50	0.05
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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