

FR SBS Polymer-Modified Membrane



RUBEROID® GAF MopPlus GranuleFR Membrane



ITEM CODE: 3865

Description:

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

Uses:

RUBEROID® Mop Plus Granule FR membrane is designed for new roofing and reroofing applications where long-term roof system performance is specified.

Advantages:

- Lighter weight — installed premium roof designs weigh less than 3 pounds per square foot.
- Resilience — the membrane's heavyweight polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- Durability — specially formulated modified asphalt gives RUBEROID® Mop Plus Granule FR membrane lasting performance.
- 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:



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.
- UL Evaluation Report UL ER1306-02.
- Texas Department of Insurance Report RC-49.
- Meets or exceeds ASTM D6164 Type II, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.



Product Specifications:

ASTM D6164 Type II, Grade G

| | |
|-----------------------|---|
| Roll Size* | 107.3 ft. ² (10.0 m ²) |
| Roll Length | 32' 6" (10.0 m) |
| Roll Width | 39.625" (1.0 m) |
| Roll Weight | 100 lb. (45.4 kg) |
| Roll Thickness | 155 mils (3.9 mm) |
| Rolls per Pallet | 25 |
| Full Pallet Weight | 2,550 lb. (1,156.7 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. mm (mils), Grade G | 130 (3.3) | 155 (3.9) |
| Net mass/unit area, min. g/m ² (lb./100 ft. ²) | 4,394 (90) | 4,638 (95) |
| 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 - 17.5 (100) CMD - 17.5 (100) | MD - 22.8 (130) CMD - 24.5 (140) |
| 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 - 50.0 CMD - 60.0 |
| 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 - 12.3 (70) CMD - 12.3 (70) | MD - 21.9 (125) CMD - 17.5 (100) |
| Elongation at 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. at peak load, before and after heat conditioning, (%) | MD - 50.0 CMD - 50.0 | MD - 65.0 CMD - 80.0 |
| Ultimate elongation 23 +/-2° C (73.4 +/-3.6° F), MD and CMD, min. before and after heat conditioning, (%) | MD - 60.0 CMD - 60.0 | MD - 70.0 CMD - 85.0 |
| Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf) | 311 (70) | 667 (150) |
| Low-temperature flexibility, max. before and after heat conditioning, ° C (° F) | -18 (0) | -18 (0) |
| Dimensional stability, max. (%) | 1.00 | 0.45 |
| Compound stability at 102° C (215° F) | No Failures | No Failures |
| Granule embedment, max. (g) | 2.0 | 0.5 |

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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