

Modified Bitumen Membrane



RUBEROID® GAF MopSmooth 1.5 Membrane



ITEM CODE: 3710

Description:

RUBEROID® Mop Smooth 1.5 is a tough, resilient modified bitumen membrane manufactured to stringent GAF specifications. Its core is a strong non-woven polyester mat that is coated with flexible SBS polymer-modified asphalt and has a smooth surface. Smooth-surface mop-applied installations must be protected with surfacing.

Uses:

RUBEROID® Mop Smooth 1.5 is designed for new roofing and reroofing applications as well as the construction of flashings. RUBEROID® Mop Smooth 1.5 membrane is also a suitable product for repairs of built-up roofing membranes or other modified bitumen systems.

Advantages:

- Lighter weight — installed roof designs weigh less than 2 pounds per square foot.
- Durability — specially formulated modified asphalt gives RUBEROID® Mop Smooth 1.5 membrane lasting performance.
- Resilience — RUBEROID® Mop Smooth 1.5 membrane's polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- 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.

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.
- UL Evaluation Report UL ER1306-02.
- State of Florida Approved.
- Texas Department of Insurance Report RC-49.
- Meets or exceeds ASTM 6164 Type I, Grade S.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.



Product Specifications:

| ASTM D6164 Type I, Grade S | |
|----------------------------|---|
| Roll Size* | 161.0 ft. ² (15.0 m ²) |
| Roll Length | 48' 9" (14.8 m) |
| Roll Width | 39.625" (1.0 m) |
| Roll Weight | 88 lb (39.9 kg) |
| Roll Thickness | 97 mils (2.5 mm) |
| Rolls per Pallet | 25 |
| Full Pallet Weight | 2,250 lb (1,020.6 kg) |
| Reinforcement | Polyester |
| Top Side Surfacing | Sand |
| 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 S | 85 (2.2) | 97 (2.5) |
| Net mass/unit area, min. g/m ² (lb./100 ft ²) | 2,636 (54) | 2,685 (55) |
| 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 - 20.1 (115) CMD - 14.4 (82) |
| 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 - 35.0 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 - 55.0 |
| 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 - 60.0 |
| 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) | -30 (-22) |
| Dimensional stability, max. (%) | 1.0 | 0.5 |
| 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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