

Heavy-Duty SBS FR Membrane



RUBEROID® GAF HW Plus Granule FR Membrane



ITEM CODE: 3753

Description:

RUBEROID® HW Plus Granule FR membrane is a premium, heavy-duty fire-rated membrane that can be installed without the use of hot asphalt. Its core is a strong, resilient non-woven polyester mat that is coated with polymer-modified asphalt and surfaced with mineral granules.

Uses:

RUBEROID® HW Plus Granule FR membrane is designed for new roofing and re-covering applications, as well as the construction of flashings. It's also suitable 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® HW Plus Granule FR membrane lasting performance.
- Resilience — the membrane's premium polyester mat core helps resist splits and tears due to its pliability and elongation characteristics.
- Flexibility — specially formulated poly burn-off film allows for easy installation. Heat welding allows for kettle-free operation.
- 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:



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 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 | 105 lb. (47.6 kg) |
| Roll Thickness | 165 mils (4.2 mm) |
| Rolls per Pallet | 25 |
| Full Pallet Weight | 2,675 lb. (1,213.4 kg) |
| Reinforcement | Polyester |
| Top Side Surfacing | Granule |
| 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 G | 130 (3.3) | 165 (4.2) |
| Net mass/unit area, min. g/m ² (lb./100 ft. ²) | 4,394 (90) | 4,785 (98) |
| Bottom coating thickness, heat-welding application products, min. mm (mils) | 1.0 (40) | 1.4 (45) |
| 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) | 29.8 (170) MD 25.4 (145) CMD |
| 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 | 50 MD 60 CMD |
| 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) | 21.0 (120) MD 15.8 (90) CMD |
| 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 | 65 MD 70 CMD |
| 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 | 75 MD 90 CMD |
| Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf) | 311 (70) | 578 (130) |
| Low-temperature flexibility, max. before and after heat conditioning, ° C (° F) | -18 (0) | -30 (-22) |
| Dimensional stability, max. (%) | 1.00 | 0.45 |
| Compound stability at 102° C (215° F) | No Failures | No Failures |
| Granule embedment, max. (g) | 2.0 | 0.6 |

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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