APP Granulated Cap Sheet

RUBEROID®
GAF TorchGranuleFR
Membrane



ITEM CODE: 3608

Description:

RUBEROID® Torch Granule FR membrane is premium APP-modified bitumen membrane with a white granule surfacing. Its core is a strong non-woven polyester mat.

Uses:

This membrane is suitable for new roofing and re-roofing applications where long-term roof system performance is specified.

Advantages:

- Durability — Its polyester mat core protects against splits and tears due to its pliability and elongation characteristics. Its specially formulated modified asphalt ensures excellent performance.
- Color options — RUBEROID® Torch Granule FR membrane is available in Standard White, Black, and Tan granule surfacing.
- 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 & Approvals:

- Classified by UL in accordance with ANSI/UL 790, including as 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.
- Cool Roof Rating Council-Rated Product.
- Texas Department of Insurance Report RC-49.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6222 Type I, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.

FM APPROVED

CLASSIFIED UL

Product Specifications:

ASTM D6222 Type I, Grade G	
Roll Size*	106.9 ft.² (10.0 m²)
Roll Length	32' 6" (10.0 m)
Roll Width	39.5" (1.0 m)
Roll Weight	104 lb. (47.2 kg)
Roll Thickness	160 mils (3.8 mm)
Rolls per Pallet	25
Full Pallet Weight	2,650 lb. (1,202.0 kg)
Reinforcement	Polyester
Top Side Surfacing	Bright White Granules
Bottom Side Surfacing	Burn-Off 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. mm (mils), Grade G	4.0 (160)	4.0 (160)
Peak load at 23 +/- 2°C (73.4 +/- 3.6°F) MD and CMD, before and after heat conditioning, min. kN/m (lbf/in.)	MD - 8.8 (50) CMD - 8.8 (50)	MD - 14.0 (80) CMD - 12.3 (70)
Elongation at 23 +/- 2°C (73.4 +/- 3.6°F) MD and CMD, before and after heat conditioning, at peak load, min. %	MD - 23 CMD - 23	MD - 42 CMD - 50
Peak load at –18 +/- 2°C (0 +/- 3.6°F) MD and CMD, min. kN/m (lbf/in.)	MD - 10.5 (60) CMD - 10.5 (60)	MD - 16.6 (95) CMD - 14.0 (80)
Elongation at –18 +/- 2°C (0 +/- 3.6°F) MD and CMD, min. at peak load, %	MD - 10 CMD - 10	MD - 30 CMD - 30
Ultimate elongation at 23 +/- 2°C (73.4 +/- 3.6°F), MD and CMD, min. %	MD - 30 CMD - 30	MD - 48 CMD - 55
Tear strength at 23 +/- 2°C (73.4 +/- 3.6°F), min. N (lbf)	311 (70)	467 (105)
Low-temperature flexibility, before and after heat conditioning, max. °C (°F)	+0 (32)	-10 (14)
Dimensional stability, max. change (%)	1.00	0.42
Compound stability, min. °C (°F)	110 (230)	130 (266)
Granule embedment, max. loss, grams (Grade G Only)	2.0	1.66
Water absorption, max. %	3.2	2.8
Moisture content, max. %	1.0	<1.0
Low-temperature unrolling, max. °C (°F)	5 (41)	-10 (14)
Net mass per unit area, min. g/m² (lb./100 ft.²)	4,150 (85)	4,185 (86)
Bottom side coating thickness, min. mm (mils)	0.76 (30)	0.78 (31)

Note: Values stated above 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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