

Bright White SBS Granule Surfacing Cap Sheet



RUBEROID® ENERGYCAP™ MopPlusGranuleFR Membrane



ITEM CODE: 370N

Description:

RUBEROID® EnergyCap™ Mop Plus Granule FR membrane is a premium, heavy-duty, SBS-modified bitumen membrane surfaced with a bright white granule solar reflecting granule. Its core is a strong, non-woven polyester mat that meets ASTM D6164 Type II specifications.

Uses:

RUBEROID® EnergyCap™ Mop Plus Granule FR membrane is suitable for cold-applied and hot mopping applied new roofing applications where long-term roof system performance is specified.

Advantages:

- Durability — The heavyweight polyester mat core protects against splits and tears due to its pliability and elongation characteristics. Specially formulated modified asphalt gives RUBEROID® EnergyCap™ Mop Plus Granule FR membrane excellent performance.
- RUBEROID® EnergyCap™ Mop Plus Granule FR membrane is manufactured by GAF, a company with over 125 years in the roofing business.
- RUBEROID® EnergyCap™ Mop Plus Granule FR membrane is available in highly reflective bright white 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:



Hot-Asphalt



Cold Applied

Rated Product ID #: 0676-0163	Initial		Aged
	Initial	Aged	
Solar Reflectance	0.67	0.59*	
Thermal Emittance	0.91	0.91*	
SRI	82	71*	

*CRRC Rapid Ratings: Interim laboratory-aged values that simulate naturally-aged values and will be replaced by the measured three-year naturally-aged values upon completion of the weathering process.

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 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.
- UL Evaluation Report UL ER1306-02.
- Texas Department of Insurance 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 ft² (10.0 m²)
Roll Length	32' 6" (10.0 m)
Roll Width	39.625" (1.0 m)
Roll Weight	105 lb. (47.6 kg)
Roll Thickness	160 mils (4.1 mm)
Rolls per Pallet	20
Full Pallet Weight	2,675 lb. (1,213.4 kg)
Reinforcement	Polyester
Top Side Surfacing	Bright White Granules
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)	160 (4.1)
Net mass/unit area, min. g/m² (lbs/100 ft.²)	4,394 (90)	4,638 (95)
Bottom coating thickness, heat welding application products, min. mm (mils)	1.0 (40)	1.3 (50)
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 - 28.9 (165) CMD - 22.8 (130)
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 - 55.0 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 - 21.0 (120) CMD - 15.8 (90)
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 - 70.0 CMD - 75.0
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 - 85.0 CMD - 90.0
Tear strength at 23 +/-2° C (73.4 +/-3.6° F), min. N (lbf)	311 (70)	645 (145)
Low-temperature flexibility, max. before and after heat conditioning, ° C (° F)	-18 (0)	-18 (0)
Dimensional stability, max. (%)	1.00	0.55
Compound stability at 102° C (215° F)	No Failures	No Failures
Granule embedment, max. (g)	2.00	1.66

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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