

SBS Granulated Bright White Cap Sheet



ITEM CODE: 375C

GAF RUBEROID® ENERGYCAP™ HW Plus GranuleFR Membrane

Description:

RUBEROID® EnergyCap™ HW Plus Granule FR membrane is a heavy-duty, premium, SBS-modified bitumen membrane that is manufactured to GAF specifications. Its enhanced bright white granule surfacing offers solar reflectance and a strong non-woven polyester core that meets ASTM D6164 Type II, Grade G requirements.

Uses:

RUBEROID® EnergyCap™ HW Plus Granule FR membrane is suitable for new roofing and reroofing applications where long-term roof system performance is specified.

Advantages:

- Resilience — the heavyweight polyester mat core protects against splits and tears due to its pliability and elongation characteristics.
- Performance — specially formulated modified asphalt gives the membrane excellent performance.
- Reflectance — the membrane is available in highly reflective bright white.
- 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 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.
- 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	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	Film

* Roll size as reported represents actual membrane dimensions and does not calculate installation using side and end lap recommendations.

CRRC	Rated Product ID #: 0676-0163	
	Initial	Aged
Solar Reflectance	0.74	0.53*
Thermal Emittance	0.91	0.91*
SRI	92	62*

*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.

Physical Properties:

Property	Standard Minimum Value	GAF Value
Thickness, min. mils (mm), Grade G	130 (3.3)	160 (4.1)
Net mass/unit area, min. g/m ² (lb./100 ft. ²)	4,394 (90)	4,882 (100)
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 - 16.6 (95)
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 - 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 - 115.0
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	0.4
Compound stability at 102° C (215° F)	No Failures	No Failures
Granule embedment, max. (g)	2.0	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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