

SBS Granulated Ultra Bright White Cap Sheet



RUBEROID® ENERGYCAP™ GAF HW30 GranuleFR Membrane



ITEM CODE: 3786

Description:

RUBEROID® EnergyCap™ HW 30 Granule FR membrane is an SBS-modified bitumen cap sheet manufactured to GAF specifications. It consists of a lightweight random glass fiber mat impregnated and coated with modified bitumen that meets ASTM D6163 Type I specifications. The top surface is covered with an enhanced ultra bright white granule surfacing that offers solar reflectance. The back surface is coated with an SBS-modified bitumen adhesive layer specifically formulated for torch applications with a polyolefin burn-off film bottom surface.

Uses:

RUBEROID® EnergyCap™ HW 30 Granule FR membrane is designed for use in new roofing and recovery applications, as well as the construction of flashings. It is also suitable for repairs of built-up roofing membranes or other SBS-modified bitumen systems.

Advantages:

- Durability — the membrane combines the strength of fiberglass reinforcement with the elongation characteristics of SBS-modified asphalt.
- 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.
- State of Florida Approved.
- Texas Department of Insurance.
- UL Evaluation Report UL ER1306-02.
- Meets or exceeds ASTM D6163 Type I, Grade G.
- For additional information, contact GAF Design Services at 1-877-423-7663 or designservices@gaf.com.



Product Specifications:

ASTM D6163 TYPE I, GRADE G	
Roll Size*	106.7 ft. ² (10 m ²)
Roll Length	32' 6" (10 m)
Roll Width	39.4" (1 m)
Roll Weight	105 lb. (47.6 kg)
Roll Thickness	140 mils (3.5 mm)
Rolls per Pallet	23
Full Pallet Weight	2,465 lbs. (1,118.1 kg.)
Reinforcement	Fiberglass
Top Side Surfacing	Ultra 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.

	Rated Product ID #: 0676-0086b	
	Initial	Aged
Solar Reflectance	0.72	0.63*
Thermal Emittance	0.91	0.91*
SRI	88	77*

The ratings above are subject to CRRC rating program conditions, requirements, and limitations. Visit coolroofs.org for important information and disclaimers about CRRC rating conditions, requirements, and limitations.

* CRRC Rapid Ratings: These are 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	80 (2)	145 (3.7)
Net mass/unit area, min. g/m ² (lb./100 ft. ²)	3,173 (65)	3,173 (65)
Bottom coating thickness, heat-welding application products, min. mm (mils)	1 (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 - 17.5 (100)
Elongation at -18 +/-2°C (0 +/-3.6°F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 1 CMD - 1	MD - 4 CMD - 4
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 - 5.3 (30) CMD - 5.3 (30)	MD - 8.8 (50) CMD - 7.1 (40)
Elongation at 23 +/-2°C (73.4 +/-3.6°F), MD and CMD, min. at peak load, before and after heat conditioning, (%)	MD - 2 CMD - 2	MD - 5 CMD - 5
Ultimate elongation 23 +/-2°C (73.4 +/-3.6°F), MD and CMD, min. before and after heat conditioning, (%) (as manufactured)	MD - 3 CMD - 3	MD - 25 CMD - 35
Tear strength at 23 +/-2°C (73.4 +/-3.6°F), min. N (lbf)	156 (35)	178 (40)
Low-temperature flexibility, max. before and after heat conditioning, °C (°F)	-18 (0)	-18 (0)
Dimensional stability, max. (%)	0.50	0.20
Compound stability at 102°C (215°F)	No Failures	No Failures
Granule embedment, max. (g)	2.0	1.5

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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