




TECHNICAL DETAILS

WEIGHT 100 lbs. 45.4 kg	ROLL SIZE 1 square roll
WIDTH 39 ³ / ₈ " 1 m	LENGTH 34' 10.4 m
TOTAL AREA PER ROLL 111.6 sq. ft. 10.4 m ²	THICKNESS 140 mils nominal
ROLLS/PALLET 20	GRANULE ADHESION 0.4 g Typical Results

**PREMIUM SBS POLYMER
MODIFIED REFLECTIVE
GRANULE-SURFACED
FIBERGLASS CAP SHEET**



TEST COMPLIANCE

ASTM D6163 Type I, Grade G	ASTM D3909
ASTM E108 Class A Fire Rating	CODE APPROVAL CCRR-0333
	
Compliant with CEC Title 24, Part 6 Cool Roof Requirements	

PRODUCT USE

626G Paragon[®] RCAP[™] is a fire-rated, highly reflective mineral cap sheet and manufactured to be the surface membrane in many Malarkey high-performance and fire-rated, SBS polymer modified roofing systems. Paragon[®] RCAP[™] is applied with hot mopping asphalt, SEBS mopping asphalt, cold process adhesives, or torch. It is CRRC-listed and can be used to comply with CEC Title 24, Part 6 Cool Roof Requirements. Please consult Malarkey's Technical Services Department for approval of roof systems.

COMPOSITION & MATERIALS

Paragon[®] RCAP[™] is manufactured on a non-woven fiberglass mat, impregnated and coated with a high quality, SBS polymer modified asphalt saturant that is stabilized with fire-retardant compounds. Paragon[®] RCAP[™] is surfaced with reflective granules for ultraviolet protection, weatherability, and solar reflectance. The top side edge of the sheet has a 4" (102 mm) sand selvage for lap joint seams.

APPLICATION/INSTALLATION

Paragon[®] RCAP[™] shall be applied as specified. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Do not apply wet membrane sheets. 2200R *Solar White* (Bright White) broadcast granules available to sprinkle in areas of bleed-out. See Malarkey's Specification Manual for installation instructions, or contact our Technical Services Department for details.

STORAGE & HANDLING

Paragon[®] RCAP[™] requires dry storage and protection from the weather prior to, and during, application. Store on end on a flat, dry surface. Make sure not to damage roll edges, as this may make installation difficult.

WARRANTY

Malarkey Roofing Products[®] offers various warranties to meet specific requirements. The warranty package for Paragon[®] RCAP[™] includes 5, 10, 15, 20, 25, and 30-year limited and unlimited coverage. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Paragon[®] RCAP[™] and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit WWW.MALARKEYROOFING.COM for additional product information and availability.

Note: Malarkey Roofing Products[®] inventory SKU number for this product: 626G Paragon[®] RCAP[™]

FEATURES & BENEFITS

- Made with premium SBS polymer modified asphalt
- Surface embedded with reflective granules for UV protection, weatherability, and solar reflectance
- 3-Year Aged SRI exceeds requirement for LEED v4.1 Heat Island Reduction Credit
- Listed in various fire assemblies

COMPATIBLE ADHESIVES



TECHNICAL ASSISTANCE:

Malarkey has technical services assistance available. Contact Malarkey for details:
Call weekdays 7:00 am to 5:00 pm Pacific Time
at 800.545.1191 or 503.283.1191.
technicalinquiries@malarkeyroofing.com

CORPORATE OFFICE:

3131 N. Columbia Blvd. Telephone: 503.283.1191
Portland, OR 97217-7472 or 800.545.1191
P.O. Box 17217 Fax: 503.289.7644
Portland, OR 97217-0217

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PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM SPECIFICATION	TYPICAL RESULTS
Peak load at 73.4°F (23°C) as manufactured	D5147	30 lbf/in. (5.3 kN/m) min	60 lbf/in. (10.5 kN/m)
Elongation at 73.4°F (23°C) as manufactured	D5147	2% min	5%
Ultimate elongation at 73.4°F (23°C) as manufactured	D5147	3% min	35%
Tear strength at 73.4°F (23°C)	D5147	35 lbf (156 N) min	75 lbf (334 N)
Low temperature flexibility	D5147	0°F (-18°C) max	Pass
Compound stability at 215°F (102°C)	D5147	No Failures	No Failures
Granule embedment	D5147	2 g max	0.4 g

SOLAR REFLECTANCE TECHNICAL DATA

Paragon[®] RCap[™] is listed with the Cool Roof Rating Council. Paragon[®] RCap[™] has tested to these radiative property values:



Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

	INITIAL	WEATHERED
SOLAR REFLECTANCE	0.67	0.65*
THERMAL EMITTANCE	0.88	0.85*
SOLAR REFLECTIVE INDEX (SRI)	81	78*
Related Product ID	0850-0037a	
Licensed Manufacturer ID	0850	
Classification	Production Line	

*CRRC Rapid Ratings

3-Year Aged SRI value exceeds LEED v4.1 requirement for Heat Island Reduction Credit. Contact Malarkey's Technical Services Department for more information.

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