



TECHNICAL DETAILS

WEIGHT/ROLL 88 lbs. 40 kg	ROLL SIZE 1 square roll
WIDTH 39 ³ / ₈ " 1 m	LENGTH 34' 10.4 m
TOTAL AREA PER ROLL 111.6 ft ² 10.4 m ²	THICKNESS 125 mils nominal
ROLLS/PALLET 20	

TEST COMPLIANCE

ASTM D3909	ASTM D7530
ASTM D6163 Type I, Grade G	ASTM D1970
ASTM E108 Class A & B Fire Rating	UL RATING 2218 Class 4
	

FEATURES & BENEFITS

- SBS polymer modified asphalt
- Available in multiple colors to match Malarkey shingles
- High tear and tensile strength
- Exceptional adhesive properties
- OmniSeal™ systems a viable option as underlayment for clay & concrete tile
- 3-Year Aged SRI for *Solar White* color exceeds requirement for LEED v4.1 Heat Island Reduction Credit and can be used to comply with CEC Title 24 Part 6 and City and County of LA Cool Roof Requirements

PREMIUM GRADE SBS POLYMER MODIFIED SELF-ADHERING FIBERGLASS CAP SHEET



PRODUCT USE

436 OmniSeal™ Cap FR is a robust, SBS polymer modified, self-adhering fiberglass cap sheet developed for use as the surface membrane over various combustible and non-combustible substrates in a high-performance OmniSeal™ roofing system. OmniSeal™ systems are used for roof areas with less than 2" (51 mm) in 12" (305 mm) slope, projects where hot, cold, and torch applications are not viable, and even as an underlayment for clay and concrete tile. OmniSeal™ Cap FR *Solar White* is CRRC-listed and can be used to comply with California Energy Commission Title 24 Part 6, City of Los Angeles, and County of Los Angeles Cool Roof Requirements. Its aged SRI of 78 (see next page) also exceeds the requirement for LEED v4.1 Heat Island Reduction Credit.

COMPOSITION & MATERIALS

OmniSeal™ Cap FR is manufactured on a non-woven fiberglass mat and impregnated and coated on the top side with SBS polymer modified asphalt compounded with a mineral stabilizer. OmniSeal™ Cap FR's surface is covered with color-coated granules for ultraviolet protection and weatherability while the underside and 4" (102 mm) selvage edge have an aggressive, asphalt-based adhesive. The adhesive is covered by split-surface release film that is removed during installation.

APPLICATION/INSTALLATION

OmniSeal™ Cap FR shall be applied as specified. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Refer to our website at WWW.MALARKEYROOFING.com for specific installation instructions, or contact our Technical Services Department for details.

STORAGE & HANDLING

For best results, Malarkey recommends OmniSeal™ Cap FR be protected from the weather and stored on end in a cool, dry, well-ventilated area until installation. Do not apply wet membrane sheets.

WARRANTY

Malarkey Roofing Products® offers various warranties to meet specific requirements. Contact your roofer, local distribution center or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

OmniSeal™ Cap FR 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: 436 OmniSeal™ Cap FR

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

PREMIUM GRADE
SBS POLYMER MODIFIED
SELF-ADHERING
FIBERGLASS CAP SHEET



PHYSICAL PROPERTIES	ASTM TEST METHOD	OMNISEAL™ CAP FR TYPICAL RESULTS
Peak Load at 73.4°F (23°C) as manufactured and after heat conditioning, MD	D5147	70 lbf/in (12.3 kN/m)
Peak Load at 73.4°F (23°C) as manufactured and after heat conditioning, CD	D5147	45 lbf/in (7.9 kN/m)
Elongation at 73.4°F (23°C) as manufactured and after heat conditioning, MD, CD	D5147	4%
Adhesion to plywood, min @ 40°F (4°C)	ASTM D903/D7530	4 lbf/ft (58.4 N/m)
Adhesion to plywood, min @ 73.4°F (23°C)	ASTM D903/D7530	15 lbf/ft (225 N/m)
Low temperature flexibility, max	D5147	0°F (-18°C)
Thermal stability @ 158°F (70°C)	D5147	No flow
Granule embedment, g, (max)	D4977	0.3
Side Lap Integrity	D7505	Pass

SOLAR REFLECTANCE TECHNICAL DATA

OmniSeal™ Cap FR Solar White is listed with the Cool Roof Rating Council. OmniSeal™ Cap FR Solar White 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.

	OMNISEAL™ CAP FR (SOLAR WHITE)	
	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.

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