

TECHNICAL DETAILS

WEIGHT/ROLL 90 lbs. 40.8 kg	WEIGHT/SQUARE 90 lbs. 40.8 kg
WIDTH 39 ³ / ₈ " 1 m	LENGTH 34' 10.4 m
THICKNESS 135 mils nominal	COVERAGE 1 square
ROLLS/PALLET 16 from OR/CA/OK	

SBS POLYMER MODIFIED SELF-ADHERING POLYESTER FR CAP SHEET



TEST COMPLIANCE

ASTM D3909	ASTM D7505
ASTM E108 Class A Fire Rating	
	UL RATING 2218 Class 4
	Compliant with CEC Title 24, Part 6 Cool Roof Requirements [◇]

PRODUCT USE

435/435R OmniSeal™ Cap Plus is an SBS polymer modified, polyester-reinforced cap sheet with high tear and tensile strength. It is self-adhering and used as the surface membrane over various combustible and non-combustible substrates in an OmniSeal™ roofing system also rated UL 2218 Class 4 for impact resistance.

COMPOSITION & MATERIALS

OmniSeal™ Cap Plus is manufactured on a non-woven polyester/glass reinforced mat, impregnated and coated on both sides with SBS polymer modified asphalt, and compounded with a fire-retardant stabilizer. Both 435 and 435R OmniSeal™ Cap Plus cap sheets offer superior ultraviolet protection and weatherability; 435 is surfaced with color-coated, ceramic granules while 435R has *reflective* granules. The underside of the rolls has an aggressive self-adhering bonding compound covered by a split-surface release film to allow for easy use and application. The topside edge has a 4" (102 mm) selvage for lap joint seams.

APPLICATION/INSTALLATION

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

STORAGE & HANDLING

For best results, Malarkey recommends OmniSeal™ Cap Plus be protected from the weather and stored on end in a cool, dry, well-ventilated area until applied. 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 Plus 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: 435 OmniSeal™ Cap Plus and 435R OmniSeal™ Cap Plus

FEATURES & BENEFITS

- Made with SBS polymer modified asphalt compounded with a fire-retardant stabilizer
- Polyester mat with fiberglass scrim
- High tear and tensile strength
- Exceptional adhesive properties

[◇] CRRR and California Energy Code Title 24, Part 6 only apply to 435R OmniSeal™ Cap Plus Solar White cap sheets. See page 2 for solar reflectance technical data.

Initial SRI exceeds requirement for LEED v4 Heat Island Reduction credit.



TECHNICAL ASSISTANCE:

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

CORPORATE OFFICE:

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

Effective 3/18
Supersedes all previously published data

Check for most current version on our website.

SBS POLYMER MODIFIED SELF-ADHERING POLYESTER FR CAP SHEET



PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM D7505	OMNISEAL™ CAP PLUS TYPICAL RESULTS
Peak Load at 0°F (-18°C) as manufactured and after heat conditioning	D5147	65 lbf/in (11.4 kN/m)	70 lbf/in (12.2 kN/m)
Elongation at 0°F (-18°C) as manufactured and after heat conditioning	D5147	15%	19%
Peak Load at 73°F (23°C) as manufactured and after heat conditioning	D5417	45 lbf/in (7.9 kN/m)	55 lbf/in (9.6 kN/m)
Elongation at 73°F (23°C) as manufactured and after heat conditioning	D5147	30%	33%
Elongation at 5% of Peak Load 73°F (23°C) as manufactured and after heat conditioning	D5147	35%	42%
Adhesion to plywood at 40°F (4°C)	ASTM D903/D7505	2 lbf/ft (30 N/m)	4 lbf/ft (60 N/m)
Adhesion to plywood at 73°F (23°C)	ASTM D903/D7505	12 lbf/ft (180 N/m)	24 lbf/ft (360 N/m)
Tear strength at 73°F (23°C)	D5147	55 lbf (246 N)	68 lbf (304 N)
Low temperature flexibility, max as manufactured and after heat conditioning	D5147	32°F (0°C)	0°F (-18°C)
Thermal stability at 158°F (70°C), max	D7505	0.1 in (3 mm)	0 in (0 mm)
Granule loss, max	D4977	2.0 g	0.45 g
Side Lap Integrity	D7505	Pass	Pass

SOLAR REFLECTANCE TECHNICAL DATA

435R OmniSeal™ Cap Plus Solar White is listed with the Cool Roof Rating Council.
435R OmniSeal™ Cap Plus 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.

**Initial SRI value exceeds LEED v4 requirement (SRI: 78) for Heat Island Reduction credit.*

	INITIAL	WEATHERED
SOLAR REFLECTANCE	0.69	Pending
THERMAL EMITTANCE	0.94	Pending
SOLAR REFLECTIVE INDEX (SRI)	85*	Pending
Related Product ID	0850-0038	
Licensed Manufacturer ID	0850	
Classification	Production Line	

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