

**TECHNICAL DETAILS**

<b>WEIGHT/ROLL</b> 90 lbs. 40.8 kg	<b>ROLL SIZE</b> 1 square roll
<b>WIDTH</b> 39 <sup>3</sup> / <sub>8</sub> " 1 m	<b>LENGTH</b> 34' 10.4 m
<b>TOTAL AREA PER ROLL</b> 111.6 ft <sup>2</sup> 10.4 m <sup>2</sup>	<b>THICKNESS</b> 130 mils nominal
<b>ROLLS/PALLET</b> 16 from OR/CA/OK	

**TEST COMPLIANCE**

<b>ASTM</b> D7505	<b>ASTM</b> E108 Class B Fire Rating
	<b>UL RATING</b> 2218 Class 4

**FEATURES & BENEFITS**

- SBS polymer modified asphalt
- Polyester mat with fiberglass scrim
- High tear and tensile strength
- Exceptional adhesive properties
- Available in multiple colors to match Malarkey shingles

## SBS POLYMER MODIFIED SELF-ADHERING POLYESTER CAP SHEET



**PRODUCT USE**

440 OmniSeal™ Poly Cap 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™ Poly Cap is manufactured on a non-woven polyester/glass reinforced mat that is impregnated and coated on both sides with SBS polymer modified asphalt compounded with a mineral stabilizer. OmniSeal™ Poly Cap is covered with color-coated, ceramic granules for ultraviolet protection and weatherability while the bottom has an aggressive self-adhering bonding compound covered by a split-surface release film to allow for easy use and application. The topside edge of the sheet has a 4" (102 mm) selvage for lap joint seams.

**APPLICATION/INSTALLATION**

OmniSeal™ Poly Cap 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](http://WWW.MALARKEYROOFING.COM) for specific installation instructions, or contact our Technical Services Department for details.

**STORAGE & HANDLING**

For best results, Malarkey recommends OmniSeal™ Poly Cap 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™ Poly Cap and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM) for additional product information and availability.

Note: Malarkey Roofing Products® inventory SKU number for this product: 440 OmniSeal™ Poly Cap

**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](mailto:technicalinquiries@malarkeyroofing.com)

**CORPORATE OFFICE:**

3131 N. Columbia Blvd. Telephone: 503.283.1191  
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Effective 7/20  
Supersedes all previously published data  
Check for most current version  
on our website.

## SBS POLYMER MODIFIED SELF-ADHERING POLYESTER CAP SHEET



PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM D7505	OMNISEAL™ POLY CAP 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)	44 lbf/ft (660 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	0.5 g
Side Lap Integrity	D7505	Pass	Pass

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