






TECHNICAL DETAILS

WEIGHT/ROLL 80 lbs. 36.3 kg	ROLL SIZE 2 square roll
WIDTH 39 ³ / ₈ " 1 m	LENGTH 66' 20.1 m
TOTAL AREA PER ROLL 216.6 ft ² 20.1 m ²	THICKNESS 70 mils nominal
PERM RATING ≤ 0.1 U.S. perms	ROLLS/PALLET 20

LAY LINES

2", 4", 12¹/₂", 18³/₄"
51 mm, 102 mm, 318 mm, 476 mm

TEST COMPLIANCE

ASTM D1970	ASTM D4601
ASTM D6163 Type I	ASTM E108 Class B Fire Rating
	
	

FEATURES & BENEFITS

- SBS polymer modified asphalt
- Surfaced with factory-applied primer for enhanced adhesion
- Versatile use as a base or ply sheet
- Exceptional adhesive properties

SBS POLYMER MODIFIED SELF-ADHERING FIBERGLASS BASE/PLY SHEET



PRODUCT USE

420 OmniSeal™ Ply is an SBS polymer modified fiberglass sheet and may be used as a base or ply sheet over various combustible and non-combustible substrates in self-adhering and torch roof systems. It is self-adhering and does not require mechanical attachment. With a perm rating of less than 0.1, OmniSeal™ Ply is considered a Class I impermeable vapor retarder and is listed as such in various FM Approved roofing assemblies.

COMPOSITION & MATERIALS

OmniSeal™ Ply is manufactured on a non-woven fiberglass mat and impregnated and coated on both sides with SBS polymer modified asphalt compounded with a mineral stabilizer. OmniSeal™ Ply is finished with a factory-coated primer on its top surface to enhance adhesion while the bottom has an aggressive self-adhering bonding compound covered by a split-sheet release film to allow for easy use and application.

APPLICATION/INSTALLATION

OmniSeal™ Ply shall be applied as specified. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Do not leave OmniSeal™ Ply exposed overnight. Install only as much material as can be covered by OmniSeal™ Cap on the same day. Do not apply wet membrane sheets. 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™ Ply be protected from the weather and stored on end in a cool, dry, well-ventilated area until applied.

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™ Ply 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: 420 OmniSeal™ Ply

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

SBS POLYMER MODIFIED
SELF-ADHERING
FIBERGLASS BASE/PLY SHEET



PHYSICAL PROPERTIES	ASTM TEST METHOD	OMNISEAL™ PLY TYPICAL RESULTS
Peak load at 73.4°F (23°C) as manufactured and after heat conditioning	D5147	50 lbf/in (12.2 kN/m)
Elongation at 73.4°F (23°C) as manufactured and after heat conditioning	D5147	4%
Elongation at 5% peak load 73.4°F (23°C) as manufactured and after heat conditioning	D5147	35%
Adhesion to plywood, min @ 40°F (4°C)	D903/D7530	4 lbf/ft (60 N/m)
Adhesion to plywood, min @ 73.4°F (23°C)	D903/D7530	30 lbf/ft (360 N/m)
Tear strength at 73.4°F (23°C)	D5147	68 lbf/ft (304 N)
Low temperature flexibility, max	D5147	0°F (-18°C)
Thermal stability @ 158°F (70°C)	D5147	No flow
Moisture vapor permeance, max	D1970	0.03 U.S. perms (1.71 ng/Pa.S.M. ²)

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