



TECHNICAL PRODUCT DATA SHEET

TECHNICAL DETAILS

WEIGHT/ROLL

80 lbs. [36.3 kg]

ROLL SIZE

2 square roll

WIDTH
39³/₈" [1 m]
LENGTH

66' [20.1 m]

TOTAL AREA PER ROLL
216.6 ft² [20.1 m²]
THICKNESS

60 mils [nominal]

PERM RATING

≤ 0.1 [U.S. perms]

LAY LINES
2", 4", 12¹/₂", 18³/₄"
[51 mm, 102 mm, 318 mm, 476 mm]
ROLLS/PALLET

20

TEST COMPLIANCE

ASTM D1970 ASTM D4601

ASTM E108 CLASS A, B, & C 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

Effective 04/24
Supersedes all previously published data.

Check for most current version at
WWW.MALARKEYROOFING.COM

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.

malarkey.technicalinquiries@holcim.com

CORPORATE OFFICE:
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503-283-1191 or 800-545-1191

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TECHNICAL PRODUCT DATA SHEET



OmniSeal[®] Ply

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]