

TECHNICAL DETAILS

WEIGHT/ROLL 65 lbs. 29.5 kg	WEIGHT/SQUARE 32.5 lbs. 14.8 kg
WIDTH 39 ³ / ₈ " 1 m	LENGTH 66' 20.1 m
THICKNESS 60 mils nominal	COVERAGE 2 sq. (18.58 m ²)
PERM RATING < 0.1 U.S. perms	ROLLS/PALLET 25 from OR/CA/OK

LAY LINES

2", 4", 12 ¹ / ₂ ", 18 ³ / ₄ " 51 mm, 102 mm, 318 mm, 476 mm

TEST COMPLIANCE

ASTM D1970

FEATURES & BENEFITS

- Flexor™ SBS polymer modified asphalt
- Self-adhering; waterproof
- Protects against leaks from ice dams
- Equally effective flashing membrane

**SELF-ADHERING
FLEXOR™ SBS POLYMER
MODIFIED UNDERLAYMENT**



PRODUCT USE

Arctic Seal® is a specially designed and manufactured, self-adhering, Flexor™ SBS polymer modified asphalt underlayment for use on steep slopes to prevent moisture intrusion from ice dams and wind-driven rain, as required by many building codes. Arctic Seal® serves a dual role as a flashing membrane, helping protect areas susceptible to leaks such as valleys, roof-to-wall transitions, and around vents and skylights. Arctic Seal® is approved for use under fire-rated, code-compliant roof coverings. Consult Malarkey's Technical Services Department for approval of roof systems.

COMPOSITION & MATERIALS

Arctic Seal® is manufactured on a woven fiberglass mat with a Flexor™ SBS polymer modified asphalt top coating and surfaced with a sand release agent. The bottom coat is an aggressive asphalt-based adhesive, protected with a factory-applied, split-release film that is removed prior to installation.

APPLICATION/INSTALLATION

Arctic Seal® shall be applied as specified. It is not intended as a permanently-exposed roofing surface but can be left uncovered for up to 60 days if necessary before the primary roof covering is installed. When using Arctic Seal® for full deck protection, make sure adequate ventilation and moisture control issues are addressed. Arctic Seal® is not made for use under metal roof systems. See Malarkey Specification Manual for specific installation instructions, and/or contact Malarkey's Technical Services Department for details.

STORAGE & HANDLING

For best results, Malarkey recommends Arctic Seal® be protected from the weather and stored on end in a cool, dry, well-ventilated area until applied. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage.

WARRANTY

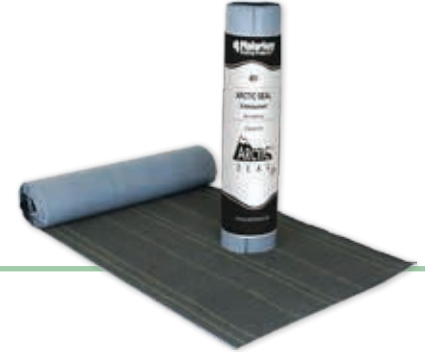
Arctic Seal® is eligible for expanded warranty coverages relative to its use as a single roofing accessory or in combination with others in a complete Malarkey roofing system. Installed separately, it carries a 10-year product warranty against manufacturing defects. Contact your roofing contractor, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Arctic Seal® 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® (Malarkey) inventory SKU number for this product: 401 Arctic Seal®

**SELF-ADHERING
FLEXOR™ SBS POLYMER
MODIFIED UNDERLAYMENT**



PHYSICAL PROPERTIES	ASTM SPECIFICATION D1970	TYPICAL RESULTS
Maximum load MD, min	25 lbf/in (4.4 kN/m)	45 lbf/in (7.9 kN/m)
Maximum load CD, min	25 lbf/in (4.4 kN/m)	35 lbf/in (6.2 kN/m)
Elongation @ break, membrane	10%	10%
Adhesion to plywood, min at 40°F	2.0 lbf/ft width (0.92 kgf/30.5 cm)	4.0 lbf/ft width (1.84 kgf/30.5 cm)
Adhesion to plywood, min at 75°F	12.0 lbf/ft width (5.44 kgf/30.5 cm)	18.0 lbf/ft width (8.28 kgf/30.5 cm)
Thermal stability, max	0.1 in (3 mm)	0.0 (0)
Flexibility temperature	-20°F (-29°C)	Pass -24°F (-33°C)
Tear resistance MD/CD, min	20 lbf (89 N)	25 lbf (110 N)
Moisture vapor permeance, max	0.1 U.S. perms (5.7 ng/Pa.S.M. ²)	0.01 U.S. perms (0.57 ng/Pa.S.M. ²)
Sealability around nail	No leaks	No leaks
Waterproof integrity after low temperature flexibility	No leaks	No leaks
Waterproof integrity of lap seam	No leaks	No leaks

As manufactured, Arctic Seal® meets the requirements of ASTM D1970 TABLE 1, Physical Requirements of Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection.

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

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