

TECHNICAL DETAILS

WEIGHT/ROLL 40 lbs. 18.1 kg	ROLL SIZE 2 square roll
WIDTH 36" 0.91 m	LENGTH 67' 20.4 m
TOTAL AREA PER ROLL 201 ft ² 18.7 m ²	ROLLS/PALLET 25 from OR/CA/OK

SELF-ADHERING HIGH TEMPERATURE UNDERLAYMENT



TEST COMPLIANCE

ASTM D1970 Meets & Exceeds	ASTM E108 Class A
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FEATURES & BENEFITS

- Thermal stability to 240°F (116°C)
- Ideal underlayment under metal roofs
- Seals around nails
- Anti-skid, walkable surface
- UV exposure up to six (6) months
- Approved for use with Class A fire-rated, shingle roof coverings

PRODUCT USE

406 SecureStart™ HT is a self-adhering, *high temperature* underlayment suitable for use as a waterproof underlayment in steep slope roofing applications with metal roofing, asphalt shingles, wood shakes/shingles, and mechanically-fastened roof tile. SecureStart™ HT is recommended for complete roof deck coverage under metal and in areas with wind-driven rain, extreme temperatures, or climates causing ice dams. It serves a dual role as a flashing membrane, protecting areas susceptible to leaks such as valleys, roof-to-sidewall transitions, and around vents and skylights. SecureStart™ HT is approved for use with Class A fire-rated, code-compliant *shingle* roof coverings; if roofing with metal, check with the metal panel manufacturer for their approval of SecureStart™ HT as the underlayment. Malarkey's Technical Services Department can help with confirmation of roof systems.

COMPOSITION & MATERIALS

SecureStart™ HT is manufactured with a synthetic, textured polypropylene surface while the underside and selvage edge are coated with an aggressive, asphalt-based adhesive. SecureStart™ HT is engineered with five layers of secured redundancy for strength and durability. A silicone-treated, split-release film protects the adhesive prior to application. The topside edge of the sheet has a 3" (76 mm) selvage for lap joint seams.

APPLICATION

SecureStart™ HT shall be applied as specified. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Malarkey recommends minimum 3" (76 mm) side laps and back-nailing where indicated on 4:12 slopes and greater, and when underlayment is left exposed in windy or rainy climates for an extended period. SecureStart™ HT may be left exposed for up to six (6) months. Complete installation instructions can be found at WWW.MALARKEYROOFING.COM or by contacting our Technical Services Department.

PRECAUTION

For best results, Malarkey SecureStart™ HT should be protected from the weather and stored on end in a cool, dry, well-ventilated area until applied. Storage temps between 40°F (4.4°C) and 100°F (38°C) are recommended for best installation.

WARRANTY

SecureStart™ HT carries a Limited Lifetime Warranty relative to its use as a single roofing accessory or in combination with Malarkey Limited Lifetime Warranty shingles and other accessory products in a complete Malarkey roofing system. Contact your roofing contractor, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

SecureStart™ HT underlayment 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: 406 SecureStart™ HT

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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Check for most current version
on our website.



SELF-ADHERING HIGH TEMPERATURE UNDERLAYMENT

PHYSICAL PROPERTIES	TEST METHOD	ASTM SPECIFICATION	TYPICAL RESULTS
Thickness, min	ASTM D5147	40 mils (1.0 mm)	45 mils (1.1 mm)
Maximum load MD, min	ASTM D1970	25 lbf/in. (4.4 kN/m)	100 lbf/in. (17.5 kN/m)
Maximum load CD, min	ASTM D1970	25 lbf/in. (4.4 kN/m)	80 lbf/in. (14 kN/m)
Elongation at break, min	ASTM D1970	10%	30%
Tear resistance MD, min	ASTM D1970	20 lbf (89 N)	150 lbf (667 N)
Tear resistance CD, min	ASTM D1970	20 lbf (89 N)	125 lbf (556 N)
Adhesion to plywood, min at 40°F	ASTM D1970	2.0 lbf/ft width (0.92 kgf/30.5 cm)	15.0 lbf/ft width (6.9 kgf/30.5 cm)
Adhesion to plywood, min at 75°F	ASTM D1970	12.0 lbf/ft width (5.44 kgf/30.5 cm)	65.0 lbf/ft width (29.5 kgf/30.5 cm)
Thermal stability, max	ASTM D1970	0.1 in. (3 mm)	0.0 (0)
Flexibility temperature	ASTM D1970	-20°F (-29°C)	Pass
Moisture vapor permeance, max	ASTM E96	0.1 U.S. perms (5.7 ng/Pa.S.M. ²)	0.03 U.S. perms (1.7 ng/Pa.S.M. ²)
Waterproof integrity of lap seam	ASTM D1970	No leaks	Pass
Sealability around nail	ASTM D1970	No leaks	Pass

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