Malarkey Roofing Products®

TECHNICAL PRODUCT DATA SHEET

SECURE START® HT

Self-Adhering High Temperature Underlayment

TECHNICAL DETAILS

WEIGHT/ROLL
50 lbs. (23 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)

THICKNESS
48 mils (nominal)

ROLLS/PALLET
25

TEST COMPLIANCE

ASTM D1970 | CCRR-1082

ASTM E108 CLASS A FIRE RATING

FBC APPROVAL – FL41901

FEATURES & BENEFITS

- Thermal stability to 250°F (120°C)
- Ideal underlayment under metal roofs
- Seals around nails
- Anti-skid, walkable surface
- UV exposure up to six (6) months
- Class A Fire Rated when installed with a Fire Rated Roof Covering.

PRODUCT USE

406 Secure Start® 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. Secure Start® 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. Secure Start® 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 Secure Start® HT as the underlayment. Malarkey's Technical Services Department can help with confirmation of roof systems.

COMPOSITION & MATERIALS

Secure Start® HT is manufactured with a synthetic, textured polypropylene surface while the underside is coated with an aggressive, asphalt-based adhesive. Secure Start® 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

Secure Start® HT shall be applied as specified. Roof decks should be sound, smooth, meet necessary local requirements, and be dry at the time of installation. Minimum approved slope is 2" (51 mm) per 12" (305 mm). 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. Do not install on, at, near PVC or other materials not compatible with asphalt. Secure Start® HT is not intended as a permanently-exposed roofing surface but can be left uncovered for up to six (6) months if necessary before the primary roof covering is installed. Complete installation instructions can be found at WWW.MALARKEYROOFING.COM or by contacting our Technical Services Department.

PRECAUTION

For best results, Malarkey Secure Start® 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

Secure Start® 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.

Secure Start® 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 Secure Start® HT

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@amrize.com

CORPORATE OFFICE:
3131 N. Columbia Blvd. Portland, OR 97217-7472
P.O. Box 17217 Portland, OR 97217-0217

TELEPHONE:
503-283-1191 or 800-545-1191

FAX: 503-289-7644

Effective 02/26
Supersedes all previously published data.

Check for most current version at
WWW.MALARKEYROOFING.COM

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SECURE START® HT

Self-Adhering High Temperature Underlayment

PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM SPECIFICATION	TYPICAL RESULTS
Thickness, min	D5147	40 mils (1.0 mm)	48 mils (1.2 mm)
Maximum load MD, min	D1970	25 lbf/in. (4.4 kN/m)	40 lbf/in. (7 kN/m)
Maximum load CD, min	D1970	25 lbf/in. (4.4 kN/m)	40 lbf/in. (7 kN/m)
Elongation at break, min	D1970	10%	30%
Tear resistance MD, min	D1970	20 lbf (89 N)	44 lbf (196 N)
Tear resistance CD, min	D1970	20 lbf (89 N)	44 lbf (196 N)
Adhesion to plywood, min at 40°F	D1970	2.0 lbf/ft width (0.92 kgf/30.5 cm)	30.0 lbf/ft width (13.8 kgf/30.5 cm)
Adhesion to plywood, min at 77°F	D1970	12.0 lbf/ft width (5.44 kgf/30.5 cm)	50.0 lbf/ft width (22.7 kgf/30.5 cm)
Thermal stability, max	D1970	0.1 in. (3 mm)	No Flow
Flexibility temperature	D1970	– 20°F (– 29°C)	Pass
Moisture vapor permeance, max	E96	0.1 U.S. perms (5.7 ng/Pa.S.M.2)	0 U.S. perms
Waterproof integrity of lap seam	D1970	No leaks	Pass
Sealability around nail	D1970	No leaks	Pass

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