

TECHNICAL DETAILS

WEIGHT/ROLL 40 lbs. 18.1 kg	ROLL SIZE 2 square roll
WIDTH 36" 0.91 m	LENGTH 67' 20.4 m
NET COVERAGE/ROLL 183 ft² 17 m ²	THICKNESS 45 mils nominal
ROLLS/PALLET 25	

TEST COMPLIANCE

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

- Thermal stability to 260°F (127°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

SELF-ADHERING HIGH TEMPERATURE UNDERLAYMENT



PRODUCT USE

TMP PROTECT™ 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. TMP PROTECT™ 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. TMP PROTECT™ HT is approved for use with Class A fire-rated, code-compliant *shingle* roof coverings and as a component of a Class A fire-rated metal roof system.

COMPOSITION & MATERIALS

TMP PROTECT™ HT is manufactured with a synthetic, textured polypropylene surface while the underside and selvage edge are coated with an aggressive, asphalt-based adhesive. TMP PROTECT™ 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

TMP PROTECT™ 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 ½" (12.7 mm) in 12" (305 mm). Taylor Metal Products 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. TMP PROTECT™ 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.taylormetal.com or by contacting our Technical Services Department.

PRECAUTION

For best results, TMP PROTECT™ 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

TMP PROTECT™ HT carries a Limited Lifetime Warranty relative to its use as a single roofing accessory or in a complete TMP PROTECT™ HT roofing system. Contact your roofing contractor, local distribution center, or Taylor Metal Products for full details. See below for TECHNICAL ASSISTANCE contact information.

TMP PROTECT™ HT underlayment are available throughout the West Coast and Pacific Northwest.

Visit www.taylormetal.com for additional product information and availability.

Effective 06/22
Supersedes all previously published data

Check for most current version on our website.

TECHNICAL ASSISTANCE:

Taylor Metal Products has technical services assistance available.
Contact Taylor Metal Products for details:
Call weekdays 8:00 am to 5:00 pm Pacific Time
at 800-574-1388 or 503-581-8338.

CORPORATE OFFICE:

4566 Ridge Drive NE Salem,
OR. 97301



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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