

TECHNICAL DETAILS

WEIGHT/ROLL 40 lbs.	ROLL SIZE 2 SQ Roll
WIDTH 36"	LENGTH 67'
NET COVERAGE 182 SqFt	THICKNESS 45 mils

TEST COMPLIANCE

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

- Thermal stability to 260°F
- Ideal underlayment under metal roofs
- Seals around nails
- Anti-skid, walkable surface
- UV exposure up to six (6) months

and durability. A silicone-treated, split-release film protects the adhesive prior to application. The topside edge of the sheet has a 3" 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 (contact TMP representative for qualifying low slope panel recommendations). TMP 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.TAYLORMETALPRODUCT.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 and 100°F 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 combination with other accessory products in a complete TMP roofing system. Contact your roofing contractor, local distribution center, or TMP for full details. See below for TECHNICAL ASSISTANCE contact information. TMP Protect™ HT underlayment and other TMP products are available throughout North America.

Visit WWW.TAYLORMETALPRODUCTS.COM for additional product information and availability.

PRODUCT USE

TMP Protect™ HT is a self-adhering, high temperature underlayment suitable for use as a waterproof underlayment in 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; if roofing with metal, check with the metal panel manufacturer for their approval of TMP Protect™ HT as the underlayment. TMP's Technical Services Department can help with confirmation of roof systems.

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





PHYSICAL PROPERTIES TEST METHOD	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