

POLYGLASS®



POLYSTICK® P HT

Premium Flexible Self-Adhered Ice & Water High Temp Underlayment

Polystick P HT is a self-adhered high-temp waterproofing underlayment for use under metal and various other roof coverings. The top surface is composed of a UV resistant high strength polyolefin composite film with Hi-Tread™, slip resistant coating, which is mated to a high-temp SBS (elastomeric) self-adhered compound. A siliconized split-release paper provides quick and accurate installation. This carrierless membrane is highly flexible; ideal for flashing around roof penetrations and transitions and other critical areas.

WHY IS POLYSTICK P HT DIFFERENT?

- Proprietary self-adhered asphalt compound specially formulated for high temp applications for exceptional performance
- Hi-Tread™ surface embossing with slip-resistant diamond plate pattern
- Highly flexible membrane adapts to steep slope surfaces and flashing details

APPLICATIONS

- Under metal, including steel
- Under traditional asphalt shingles
- Under other approved roof coverings
- Over entire roof and/or for valleys, skylights and other critical areas.

FEATURES & BENEFITS

- Waterproofing against water infiltration and ice dam conditions
- Cool white top film with bi-directional laylines
- Hi-Tread™ surface embossing with slip resistant diamond plate pattern
- Highly flexible; ideal for flashing around roof penetrations and transitions and other critical areas
- Asphaltic compound provides excellent sealability around nails
- Rubberized asphalt bleed-out along edge ensures watertight seam
- Approved up to 250°F
- Up to 180 days of exposure



*Typical application under Standing Seam Metal roof covering



*Typical application under Asphalt Shingle roof covering

POLYGLASS®
MAPEI GROUP

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(888) 410-1375

For more information contact your local Polyglass Sales Representative

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TECHNICAL DESCRIPTION*

PHYSICAL PROPERTIES	ASTM METHOD	ASTM VALUE	TYPICAL PERFORMANCE
Tensile Strength	D412	N/A	713 psi (4.92 MPa) - MD 654 psi (4.51 MPa) - XMD
Elongation at Break	D412	N/A	568% - MD 605% - XMD
Thermal Stability, max	D1970	0.1 in (3 mm)	pass
Adhesion to Plywood (min at 75°F)	D1970	12.0 lbf/ft (5.44 kgf/30.5 cm)	25.6 lb/ft (373.60 N/m)
Waterproof integrity of Lap Seam	D1970	pass	pass
Low Temperature Flexibility	D1970	pass at -29°C (-20°F)	< -32°F (-36°C)
Sealability around Nail	D1970	pass	pass
Moisture Vapor Permeance, max	E96	max 0.1 U.S. Perms (5.7 ng/Pa.S.M. ²)	pass

*The properties in this table are "as manufactured" unless otherwise noted.

PRODUCT DATA**

Net Coverage (Approx) ... 180 ft² (16.7 m²)
Gross Coverage 200 ft² (18.6 m²)
Weight (Approx) 56 lbs (25 kg)
Thickness (Nominal) 40 mils (1 mm)
Roll Size 66'7" x 36" (20.3 m x 0.914 m)
Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- ASTM E108/UL 790, Class A Fire Resistance***
- ICC ESR-1697
- Texas Department of Insurance
- FORTIFIED Roof™ Compliant

***When installed under Class A rated asphalt shingles



POLYSTICK FAMILY OF PRODUCTS

POLYSTICK PRODUCT	PRIMARY APPLICATION	OTHER APPROVED APPLICATIONS	HIGH TEMP	MAX EXPOSURE DAYS	INTERNAL REINFORCEMENT	SURFACE	THICKNESS	NET COVERAGE
Polystick XFR	Metal ¹	Wood/Asphalt Shingles Synthetic Tile	265°F	180	Fiberglass	Cavitated film	80 mils(2.0 mm)	150 ft² (13.9m²)
Polystick P HT	Metal ²	Asphalt Shingles/Synthetic Tile	250°F	180	None	Polyolefin Composite film	40 mils(1.0 mm)	200 ft² (18.5m²)
Polystick MTS Plus	Metal ³	Tile, Slate	265°F	180	Fiberglass	Cavitated film	60 mils (1.5 mm)	200 ft² (18.5m²)
Polystick MX	Metal ²	Asphalt Shingles	250°F	90	Fiberglass	Cavitated film	50 mils (1.3 mm)	200 ft² (18.5m²)
Polystick TU Plus	Clay/Concrete Tile	Slate	N/A	360 ⁵	Fiberglass	Polyester Fabric	80 mils (2.0 mm)	200 ft² (18.5m²)
Polystick TU Max	Clay/Concrete Tile	Slate	N/A	180	None	Polyester Fabric	60 mils (1.5 mm)	200 ft² (18.5m²)
Polystick TU P	Clay/Concrete Tile	Slate	N/A	1080 ⁵	Fiberglass	Mineral	130 mils (3.3 mm)	100 ft² (9.3m²)
Polystick IR-Xe	Asphalt Shingles	N/A	N/A	90	Fiberglass	Mineral	52 mils (1.3 mm)	200 ft² (18.5m²)

1. Achieves UL Class A fire rating as part of a roof covering assembly. Refer to published UL product listings (TGFU.R25992) for specific fire rating assemblies

2. Steel and Aluminum Metal Coverings

3. Aluminum, Steel, or Copper Metal Coverings

4. As base membrane or anchor sheet when covered with Polystick TU Plus or Polystick TU Max membranes

5. Or as limited by local building codes