

POLYSTICK® TU MAX

SELF-ADHERED HIGH TEMPERATURE ROOF UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick TU MAX is a homogeneous rubberized asphalt waterproofing membrane designed specifically for use as an underlayment in adhesive foam or mechanically fastened roof tile applications. TU Max features a superior polyester reinforced surface fabric which provides for exceptional durability, UV exposure rating, and proven foam set adhesion. Additionally, the surfacing has been tested to comply with all minimum requirements for roof tile applications including skid resistance, tile stackability and high temperature ratings. Polystick TU MAX is designed for use in new construction and re-roof applications where tiles may be stacked on rooftops for extended periods of time. Polystick TU MAX is rated for 180 day exposure.

Polystick TU MAX underlayment is manufactured using patented ADESO® Self-Adhered Technology. This membrane meets or exceeds applicable ASTM and TAS testing requirements for steep slope roofing products. Polystick TU MAX features patented SEALLap®, a factory applied adhesive treatment at the membrane overlap, which provides for improved ease of application, as well as improved immediate and long term performance.

TYPICAL APPLICATIONS

- Multi-purpose steep slope underlayment, specially designed for tile applications though suitable as a high performance underlayment for most steep roof coverings
- Designed as effective reinforcement for perimeter and flashing details
- For use in both adhesive set and mechanically fastened roof tile applications

FEATURES AND BENEFITS

- Proprietary self-adhered technology for exceptional performance
- Polyester reinforced surface engineered for superior slip resistance
- Approved exposure rating to 180 days (or as limited by local building codes)

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value
Maximum Load, Longitudinal and Transverse, min, kN/m [lbf/in.]	D5147	4.4 [25]
Elongation at break, min of modified bitumen portion [%]	D5147	10
Tear Resistance, Longitudinal and Transverse, min, N [lbf]	D5147	89 [20]
Moisture Vapor Permeability, max, perms	E96	0.1
Adhesion to Plywood min at 40°F, lbf/ft width	D1970	2.0
Adhesion to Plywood min at 75°F, lbf/ft width	D1970	12.0
Sealability around nail	D1970	pass
Waterproof integrity after low temp flexibility	D1970	pass
Waterproof integrity of lap seam	D1970	pass
Slip Resistance	D1970	pass

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



PRODUCT DATA**

Coverage (Approx) 200 sq ft (18.5 m²)
 Weight (Approx) 70 lbs (32 kg)
 Thickness (Nominal) 60 mils (1.5 mm)
 Roll Size 65'8" x 39 3/8" (20 m x 1 m)
 Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970, ASTM D5147
- ICC ESR-1697
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



PRODUCT CODES

- PSTUMAX

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APPLICATION INSTRUCTIONS

- Polystick TU MAX may be directly to the roof deck.
- Do not apply to shingles or other finished roof coverings.
- Apply only when the weather is dry and material interface temperatures (air, roof deck, membrane) are 40° F and rising.
- Always start at the lowest point of the roof deck where possible.
- Cut the Polystick TU MAX to a suitable, workable length prior to placement.
- Lay the material flat in place, starting at the lowest point. Overlap seams 3" minimum and endlaps 6" minimum.
- Peel half of the backing off the roll and apply firm, even pressure from the center to the outer edges.
- Remove the backing from the remaining half of the roll and apply pressure.
- Always ensure that Polystick TU MAX is applied over the area to cover the highest point of "ice damming".
- Be sure to follow all local building code recommendations and requirements with regards to the width of ice dam materials.
- If full roof coverage application is desired, proper venting of the structure is required. Consult a design professional for proper venting requirements.
- In steep slope applications (i.e. 3:12 slope or higher) where backnailing will be required, be sure that all nails are covered by the overlapping next sheet.
- Polystick TU MAX must be covered within 180 days of installation unless otherwise limited by local authorities.
- Use PolyPlus® 50 or PG 500 to seal all end laps, hip and ridge details, and any adhesive compound splices, patches or details.
- Apply a bed of cement on any metals, vents, stacks, chimneys, and other roof accessories.
- Use as any repair membrane to the underlayment prior to application of the final roof covering.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

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Product Disclaimer: Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that directly results in leakage for a period of 1 year.

Refer to safety data sheet (SDS) for specific data and handling of our products. All data furnished refers to standard production and is given in good faith within the applicable manufacturing and testing tolerances.

Polyglass U.S.A., Inc., reserves the right to improve and change its products at any time without prior notice. Polyglass U.S.A., Inc. cannot be held responsible for the use of its products under conditions beyond its own control. For most current product data and warranty information, visit www.polyglass.us



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