

POLYSTICK® TU PLUS

SELF-ADHERED HIGH TEMPERATURE ROOF UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick TU PLUS is a homogeneous rubberized asphalt waterproofing underlayment fiberglass reinforced, with a high strength polyester fabric on the upper surface, designed specifically for use as a tile underlayment. Polystick TU PLUS is ideally suited for use where roofing tiles are installed via adhesive set applications; Polystick TU PLUS can also be installed in mechanically attached systems as the rubberized asphalt seals around correctly installed nails on the weathering surface. Polystick TU PLUS is designed for use in new construction and re-roof application where tiles may be stacked on rooftops for extended periods of time. Polystick TU PLUS may be exposed for up to 180 days.

Polystick TU PLUS underlayments are manufactured using patented ADESO® Dual-Compound Self-Adhesive technology, whereby a “true” polymer modified asphalt compound is applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer. Polystick TU Plus features patented SEALLap®, a factory applied adhesive treatment at the membrane overlap. Each of these patented features provide for greater ease of application as well as improved product performance.

TYPICAL APPLICATIONS

- Multi-purpose steep slope underlayment, specially designed for tile applications
- Approved for application under metal
- Designed as effective reinforcement for perimeter and flashing details
- For use in both adhesive set and mechanically fastened roof tile applications

FEATURES AND BENEFITS

- Approved up to 265°F
- Proprietary asphalt compound and fiberglass mat for exceptional dimensional stability
- Non wicking polyester reinforced surface engineered for superior slip resistance
- Approved exposure rating to 180 days (or as limited by local building codes)

TECHNICAL DESCRIPTION

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



PRODUCT DATA

Coverage (Approx) 200 sq ft
 Weight (Approx) 70 lbs
 Thickness (Nominal) 2.0 mm; 80 mils
 Roll Size 65'8" x 39 3/8" (20m x 1m)
 Rolls/Pallet..... 20

APPLICABLE STANDARDS

- ASTM D1970, D5147
- ICC ESR-1697
- Florida Building Code
- Miami Dade Code Compliance



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APPLICATION INSTRUCTIONS

- Apply Polystick TU PLUS directly to the roof deck.
- Do not apply to shingles or other 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 PLUS to a suitable, workable length (typically between 9 and 15 feet).
- 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 PLUS 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. 1.5:1.2 slope or higher) where backnailing will be required, be sure that all nails are covered by the overlapping next sheet.
- Polystick TU PLUS 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 "fabric to fabric" splices, patches or details.
- Apply a bed of cement on any metals, vents, stacks, chimneys, and other roof accessories.
- Use on any repairs to the underlayment prior to application of the final roof covering.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- 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 2 years.

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.

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