

# POLYSTICK® TU P

## SELF-ADHERED REINFORCED GRANULE-SURFACED TILE UNDERLAYMENT

### PRODUCT DESCRIPTION

Polystick TU P is self-adhered waterproofing underlayment specifically for use in adhesive foam\* or mechanically fastened roof tile applications. Utilizing ADESO® dual-compound self-adhered technology, Polystick TU P features a polymer modified bitumen upper compound and a proprietary self-adhesive SBS (elastomeric) compound on the bottom. A split release film that protects the self adhesive compound allows for easy application.

The mineral granules used on the top surface of Polystick TU P provide maximum skid resistance as well as an extended exposure time of up to 36 months\*. The combination of the unique surfacing, polyester-glass reinforcement and membrane thickness makes Polystick TU P an extremely robust, scuff and puncture resistant membrane with ultra long exposure times.

Polystick TU P features patented SEAllap® factory applied adhesive treatment at the membrane overlap which provides a quick watertight bond.

Although Polystick TU P is designed as an underlayment for clay and concrete tile coverings, this membrane can also be installed under slate tiles.

### TYPICAL APPLICATIONS

- Adhesive set\* and mechanically fastened roof tile applications.
- In difficult access areas where roof replacement is difficult.
- In situations when underlayment may be exposed for extended periods.

### FEATURES AND BENEFITS

- Patented ADESO dual-compound self-adhered technology.
- Surface engineered for superior slip resistance.
- Extended exposure time of up to 36 months\*.
- Tough 130 Mil thick polyester-glass mat reinforced; scuff and puncture resistant.
- Robust membrane holds-up to demands of heavy tile roofs.
- Asphaltic compound provides excellent sealability around nails.

### 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 @ 40°F, min, lbf/ft width                  | D1970       | 2.0        |
| Adhesion to Plywood @ 75°F, min, 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       |

\*Refer to Florida Building Code and other local codes, listings, or requirements of the AHJ. Codes supersede Polyglass requirements and recommendations.

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



### PRODUCT DATA\*\*\*

Net Coverage (Approx) .....100 ft² (9.3 m²)  
Gross Coverage ..... 108 ft² (10 m²)  
Weight (Approx) ..... 86 lbs (39 kg)  
Thickness (Nominal) ..... 130 mils (3.3 mm)  
Roll Size .....32'10" x 39 3/8" (10 m x 1 m)  
Rolls/Pallet.....20

\*\*\* All values are nominal at time of manufacturing

### APPLICABLE STANDARDS

- ASTM D1970
- ICC ESR-1697
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



### PRODUCT CODES

- PSTUP



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### APPLICATION INSTRUCTIONS

- Polystick TU P may be applied directly to the roof deck where allowable by Code, or to various approved substrate such as ASTM D226 type roofing felts and Polytherm insulation. For additional substrate requirements and information refer to Polyglass published "Suitable Substrates for Self-Adhered (SA) Membranes."
- Do not apply directly on to existing shingles or other roof coverings.
- Apply only when the substrate is dry and project related temperatures (air, roof deck, membrane) are 40°F and rising.
- Cut the Polystick TU P to a suitable, workable length prior to placement.
- Lay the material flat in place starting at the lowest point.
- Fold the membrane back onto itself (width wise) and peel half of the release film from the roll. Gradually push/roll the material into place with firm even pressure from the center to the outer edge. Repeat this process with the remaining half of the roll.
- Position successive rolls providing a minimum 6" end lap and 3" side lap. Position the next sheet by overlapping seams to lineup the overlap of the top sheet edge with the inside of the bottom sheet's factory selvage edge.
- At side overlaps, remove the protective SEAllap release film and apply even pressure to seam area.
- After adhering the Polystick underlayment, uniform pressure must be applied to the entire surface. Roll area with a 35 lbs or 75 lbs weighted roller, or water-filled lawn roller. Brooming the surface of the Polystick membrane is also acceptable on steep pitched roof applications where safety is a concern. **NOTE:** Polyglass advises that proper safety precautions are taken during rolling on all sloped roofs.
- 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 recommended. Consult a design professional for proper venting requirements. Applications involving non-ventilated attics or sheathing with radiant barriers, an anchor sheet is recommended to allow venting and prevent the creation of a double vapor barrier condition.
- In steep slope applications where back nailing may be required, be sure that all nails are covered by the overlapping next sheet.
- Polystick TU P must be covered within 36 months of installation or unless otherwise limited by the Authority Having Jurisdiction.
- 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.
- Check project details for proper installation requirements.
- For detailed drawings and recommended installation procedures of typical roof segments, such as drip edge conditions, please refer to our website at, [www.polyglass.us](http://www.polyglass.us)

### MANUFACTURING FACILITIES

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

### CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.

1111 West Newport Center Drive

Deerfield Beach, FL 33442

[www.polyglass.us](http://www.polyglass.us)

General Line: (888) 410-1375

(954) 233-1330

Customer Service: (800) 222-9782

Technical Service: (866) 794-9659

**Questions?** [technical@polyglass.com](mailto:technical@polyglass.com)

**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](http://www.polyglass.us).

This product is qualified for use as a component of a FORTIFIED-eligible roof system. Use of this product does not guarantee a FORTIFIED™ designation. To be eligible for a FORTIFIED designation, a complete roofing system (components and accessories) must meet the requirements detailed in the FORTIFIED Home™ Standard and be installed by a certified FORTIFIED Roofing Contractor. Products that are required to meet the standard include but may not be limited to: roof coverings, attic ventilation components, a qualified sealed roof deck system, roof underlayments, edge metal and appropriate fasteners for all mechanically fastened components. Documentation for all products and their installation is required. Additional requirements, eligibility criteria and restrictions apply. See the current FORTIFIED Home standard at <https://fortifiedhome.org/technical-documents/> for details.



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