POLYSTICK® TU MAX

SELF-ADHERED WIND & WATER TILE UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick TU MAX is a self-adhered waterproofing underlayment designed for use in adhesive foam or mechanically fastened roof tile applications. Utilizing ADESO® dual-compound self-adhered technology, Polystick TU MAX 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.

Polystick TU MAX features a tough polyester reinforced surface fabric which is skid resistant and provides proven foam set adhesion. The combination of aggressive self-adhesive bottom surface and strong bond of foam to the top surface provide strong resistance to wind uplift and seals the roof from wind-driven rain. In mechanically attached systems, the asphaltic compound provide sealability around nails. This product is suitable for the high temperature environments under tile and other roof coverings.

Polystick TU MAX is a flexible membrane allowing it to lay flat with ease, increasing install speed. This product features patented SEALLap® factory applied adhesive treatment at the membrane overlap which provides a quick watertight bond.

Although Polystick TU MAX is designed as an underlayment for clay and concrete tile coverings, this membrane can also be installed under slate tiles. Can be installed as part of a multi-ply underlayment system when used over Polystick MTS PLUS.

TYPICAL APPLICATIONS

- Adhesive set and mechanically fastened roof tile applications.
- As part of a multi-ply underlayment system over Polystick MTS PLUS.
- Flexible and lay-flat characteristics; ideal for new construction applications.

FEATURES AND BENEFITS

- Patented ADESO dual-compound self-adhered technology.
- Patented SEALLap factory-applied adhesive for fast watertight seams.
- Polyester reinforced surface engineered for slip resistance and strong foam set adhesion.
- Strong foam adhesive bond to top fabric and aggressive self-adhered bottom surface increase wind-uplift resistance.
- Asphaltic compound provides excellent sealability around nails.
- Max 180 days exposure.

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

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

ADESO SELF-ADHERED TECHNOLOGY

PRODUCT DATA**

Net Coverage (Approx) ...200 ft² (18.5 m²)
Gross Coverage ..... 215 ft² (20 m²)
Weight (Approx) ..... 60 lbs (27.2 kg)
Thickness (Nominal)..... 70 mils (1.8 mm)
Roll Size .....65'8" × 39⅜" (20 m × 1 m)
Rolls/Pallet.....25

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

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

PRODUCT CODES

- PSTUMAXQ

ROOFING AND WATERPROOFING SYSTEMS
POLYGLASS
MAPEI GROUP

www.polyglass.us

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APPLICATION INSTRUCTIONS

- Polystick TU MAX may be applied directly to the roof deck where allowable by Code, or to various approved substrates 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 MAX to a suitable, workable length prior to placement.
- Lay the material flat in place, starting at the lowest point. Overlap seams 3" at black side lap area and a minimum 6" at end laps.
- Peel half of the release film from the roll and apply firm, even pressure from the center to the outer edge. Remove the backing from the remaining half of the roll and apply pressure.
- 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 nonventilated 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 recommended, be sure that all nails are covered by the overlapping next sheet.
- Polystick TU MAX must be covered within 180 days 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.

MANUFACTURING FACILITIES

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

CORPORATE HEADQUARTERS

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Questions? 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.

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