POLYSTICK® MTS PLUS

SELF-ADHERED HIGH TEMPERATURE UNDERLAYMENT FOR METAL, TILE AND SHINGLES

PRODUCT DESCRIPTION

Polystick MTS PLUS is a self-adhered waterproofing underlayment manufactured with patented ADESO® Technology, a dual-compound manufacturing process utilizing a fiberglass mat in a modified compound with an aggressive proprietary self-adhesive applied to the bottom surface of the membrane. The split release film that protects the self-adhesive compound allows for easy application.

Polystick MTS PLUS features a slip-resistant film surface that has been tested to allow for up to a 180 day UV exposure rating. Polystick MTS PLUS is ideally suited for high temperature roof covering systems such as metal roofing. It is also suitable for most mechanically attached roof coverings such as concrete and clay roof tile.

With exceptional tensile strength and thermal stability, Polystick MTS PLUS is temperature resistant to 265°F. Can be installed as part of a multi-ply underlayment system when covered with Polystick TU PLUS, Polystick TU MAX or a second ply of Polystick MTS PLUS. Refer to published product approvals; Florida Building Code and included in Miami-Dade's Notice of Acceptance for high wind zones.

TYPICAL APPLICATIONS

- Specifically designed as underlayment for high temperature applications
- Approved for application under metal roof panels, mechanically attached roof tile, as well as other mechanically attached roof coverings
- Can be used as part of a multi-ply underlayment system
- Can be used for perimeter reinforcement and flashing details

FEATURES AND BENEFITS

- Patented ADESO Technology
- Approved up to 265°F
- 180 days exposure
- Exceptional tensile strength and thermal stability

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 sq ft (18.5 m^2)
Gross Coverage.....215 sq ft (20 m^2)
Weight (Approx) ..... 74 lbs (33.5 kg)
Thickness (Nominal)..... 60 mils (1.5 mm)
Roll Size .....65'8" × 39⅜" (20 m × 1 m)
Rolls/Pallet.....30

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970, D5147
- ASTM E2178 - Air Barrier
- UL Classified
- ICC ESR-1697
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance

MIAMI-DADE COUNTY APPROVED

PRODUCT CODES

- PSMTSPLQ

ROOFING AND WATERPROOFING SYSTEMS
POLYGLASS Q
MAPEI GROUP

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Edition Date: 02/21 • Doc# Polystick MTS PLUS

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APPLICATION INSTRUCTIONS

- Polystick MTS PLUS may be applied directly to the roof deck where allowable by Code.
- 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 MTS PLUS to a suitable, workable length prior to placement.
- Lay the material flat in place, starting at the lowest point. Overlap seams 3" minimum side laps and 6" minimum.
- 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 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 of 2:12 slope or higher where back nailing may be recommended, be sure that all nails are covered by the overlapping next sheet.
- Polystick MTS PLUS must be covered within 180 days of installation or unless otherwise limited by the Authority Having Jurisdiction.

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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