

# POLYSTICK® MTS PLUS

## SELF-ADHERED HIGH TEMPERATURE ROOF UNDERLAYMENT

### 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. Polystick MTS Plus has a surface film from edge to edge. With exceptional bonding strength to itself, this membrane can be installed in both horizontal directions, and provides an immediate waterproof bond at laps and details. 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 or Polystick TU Max. 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
- Full coverage film surface; can bond to itself

### 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) ..... 1.5 mm; 60 mils  
 Roll Size ..... 65'8" x 39 3/8" (20m x 1m)  
 Rolls/Pallet..... 20

### APPLICABLE STANDARDS

- ASTM D1970, D5147
- ASTM E2178 - Air Barrier
- UL Classified for use in class A, B or C roofs, as listed in the latest UL "Roofing Materials and Systems Directory"
- ICC ESR-1697
- Florida Building Code
- Miami Dade Code Compliance



### PRODUCT WARRANTY

Polyglass U.S.A., Inc. commercial roofing membranes can be backed with a manufacturer's warranty for up to 30 years when used as part of an approved, multi-ply roofing system. Please see your Polyglass U.S.A., Inc. Sales or Technical Representative for specifications and details



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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
- Winter Haven, FL

### CORPORATE HEADQUARTERS

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**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)