POLYSTICK® MTS PLUS

SELF-ADHERED MULTI-PURPOSE HIGH TEMP UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick MTS PLUS is a self-adhered high-temp waterproofing underlayment for metal roof coverings and various other applications. Utilizing ADESO® dual-compound self-adhered technology, Polystick MTS PLUS 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 MTS PLUS features a cavitated anti-skid top film surface which can be exposed up to 180 days. With a temperature resistance of up to 265°F, Polystick MTS PLUS is ideally suited for high temperature roof covering systems such as steel, aluminum, or copper panels.

Can be installed as part of a multi-ply underlayment system when covered with Polystick TU PLUS, Polystick TU MAX, Polystick XFR or a second ply of Polystick MTS PLUS.

TYPICAL APPLICATIONS

- Specifically designed as underlayment for high temperature applications.
- Primary use for application under steel, aluminum, or copper roof panels.
- Approved for use under tile, slate and asphalt shingle roof coverings.
- Base layer of a multi-ply underlayment system for extended warranties.

FEATURES AND BENEFITS

- Patented ADESO dual-compound self-adhered technology
- Cavitated anti-skid top film surface with up to 180 days exposure.
- Fiberglass reinforced for added strength and dimensional stability.
- Self adhered technology increases labor efficiency and roof dry-in speed.
- Asphaltic compound provides excellent sealability around nails.
- Approved up to 265°F.
- 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) .....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
- UL Classified
- ICC ESR-1697
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance

PRODUCT CODES

- PSMTSPLQ

POLYGLASS
MAPEI GROUP
www.polyglass.us

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APPLICATION INSTRUCTIONS

- Polystick MTS PLUS 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 MTS PLUS 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 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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