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*

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Method</th>
<th>ASTM Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Load, Longitudinal and Transverse, min, kN/m [lbf/in.]</td>
<td>D5147</td>
<td>4.4 [25]</td>
</tr>
<tr>
<td>Elongation at break, min of modified bitumen portion [%]</td>
<td>D5147</td>
<td>10</td>
</tr>
<tr>
<td>Tear Resistance, Longitudinal and Transverse, min, N [lbf]</td>
<td>D5147</td>
<td>89 [20]</td>
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<tr>
<td>Moisture Vapor Permeability, max, perms</td>
<td>E96</td>
<td>0.1</td>
</tr>
<tr>
<td>Adhesion to Plywood @ 40°F, min, lbf/ft width</td>
<td>D1970</td>
<td>2.0</td>
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<tr>
<td>Adhesion to Plywood @ 75°F, min, lbf/ft width</td>
<td>D1970</td>
<td>12.0</td>
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<tr>
<td>Sealability around nail</td>
<td>D1970</td>
<td>pass</td>
</tr>
<tr>
<td>Waterproof integrity after low temp flexibility</td>
<td>D1970</td>
<td>pass</td>
</tr>
<tr>
<td>Waterproof integrity of lap seam</td>
<td>D1970</td>
<td>pass</td>
</tr>
<tr>
<td>Slip Resistance</td>
<td>D1970</td>
<td>pass</td>
</tr>
</tbody>
</table>

*The properties in this table are “as manufactured” unless otherwise noted

PRODUCT DATA**
Coverage (Approx) .... 200 sq ft (18.5 m²)
Weight (Approx) .......... 74 lbs (33.5 kg)
Thickness [Nominal] .... 60 mils (1.5 mm)
Roll Size .......... 65’8” × 39 3⁄8” (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

PRODUCT CODES
• PSMTSPLQ
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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

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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.

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