

POLYSTICK® PX HT

FLEXIBLE SELF-ADHERED ICE AND WATER HIGH TEMP UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick PX HT is a self-adhered underlayment designed for sloped roofing systems, offering reliable protection in demanding weather conditions. Manufactured as a non-reinforced flexible roll, it delivers a lightweight yet durable barrier against moisture, wind-driven rain, and ice dams. The durable woven polyolefin facer is engineered for added tear resistance, UV protection and enhanced walkability, making installation safer and more efficient. A split release film that protects the self adhesive compound allows for easy application. The high-temperature SBS (elastomeric) self-adhered compound provides strong adhesion and watertight lap sealing, Polystick PX HT adds a dependable layer of defense that helps safeguard the integrity of your roof for the long term.

TYPICAL APPLICATIONS

- Specifically designed as underlayment for high-temperature applications under metal roof coverings
- Suitable under mechanically attached clay/concrete tile and asphalt shingles
- Over entire roof and/or for valleys, skylights and other critical areas

FEATURES AND BENEFITS

- 120 days UV exposure
- Self-adhered technology increases labor efficiency and roof dry-in speed
- Asphaltic compound provides excellent sealability around nails
- Approved up to 240°F

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Maximum Load, Longitudinal and Transversal, min kN/m (lbf/in)	D1970	4.4 (25)	4.4 (25)
Elongation at break, min of modified bitumen portion %	D1970	10	10
Tear Resistance, Longitudinal and Transverse, min – N (lbf)	D1970	89 (20)	89 (20)
Thermal Stability, max – mm (in)	D1970	3.0 (0.1)	3.0 (0.1)
Adhesion to Plywood, min at 40°F – lbf/ft	D1970	2.0	2.0
Adhesion to Plywood, min at 75°F – lbf/ft	D1970	12.0	12.0
Waterproof integrity of Lap Seam Flexibility at -20°F (-29°C)	D1970	Pass/Fail	Pass
Sealability around Nail	D1970	Pass/Fail	Pass
Slip Resistance		Pass/Fail	Pass
Moisture Vapor Permeance, max	E96	Pass/Fail	Pass

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

GENERAL RECOMMENDATIONS

- Although Polystick PX HT is designed primarily for use under metal roof coverings, it is also suitable for installation beneath wood or synthetic shakes, asphalt or synthetic shingles, slate, and tile. Polystick PX HT is not intended for use in foam-applied tile systems where adhesive is applied directly to the film surface.
- Be sure to follow all local building code recommendations and requirements.
- When full roof coverage is desired, proper ventilation of the structure is essential. Consult a design professional to determine appropriate venting requirements. For applications over non-ventilated attics or radiant barrier sheathing, the use of an anchor sheet such as Polyanchor HV is recommended to promote ventilation and prevent the formation of a double vapor barrier.



PRODUCT DATA**

Net Coverage (Approx) .. 200 ft² (18.5 m²)
 Gross Coverage 215 ft² (20 m²)
 Weight (Approx) 40 lbs (18.5 kg)
 Thickness (Nominal) 40 mils (1 mm)
 Roll Size 65'6" × 39 3/8" (20 m × 1 m)
 Rolls/Pallet.....30

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- UL Classified
- Florida Building Code



PRODUCT CODES

- PSPXHT



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- Polystick PX HT may be applied directly to the roof deck where allowable by Code, or to various approved substrates such as Polyanchor HV nailable anchor sheet. For additional substrate requirements and information, refer to Polyglass' published "Suitable Substrates for Self-Adhered (SA) Membranes."
- Do not apply directly onto 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.
- Polystick PX HT shall not be applied directly over open, unsupported deck joints. All joints or voids ¼" or greater shall be taped or stripped in.
- Back-nailing is required on slopes of 2:12 or greater. Ensure all fasteners are covered by the overlapping course of membrane to maintain watertight integrity.
- The use of mastic is not required at end laps or repairs where the film surface is clean, dry, and free of dust and debris, due to the film-surfaced construction of the underlayment.
- Polystick PX HT is intended for a maximum exposure of 120 days. The Authority Having Jurisdiction, local codes, and weather conditions may affect the allowable exposure duration. It is not designed for permanent exposure. Do not use in exposed applications such as crickets, open valleys, or uncovered vertical walls.
- Polyglass recommends that the applicator follow good roofing practices, application procedures as outlined in the NRCA, ARMA, other published practices, as well as the roofing covering manufacturer's recommendations.
- Use loading battens or other suitable restraint methods during material staging on slopes—including slopes below 6:12—if there is any risk of material slippage.
- For detailed drawings, videos, and recommended installation procedures, please refer to our website at www.polyglass.us.

UNDERLAYMENT INSTALLATION

- Apply over clean, dry, dust and debris-free substrates. Prime required substrates prior to application with Polyglass PG 100 Asphalt Primer, VWB-3000 water-based primer, Polytack CA, or alternative ASTM D41 primers as approved by Polyglass. Allow primers to dry per product instructions; refer to the applicable Polyglass Product Data Sheet for details.
- Cut the Polystick PX HT to a suitable, workable length prior to placement.
- Lay the material flat in place, starting at the lowest point.
- Fold the membrane back onto itself (width-wise) and peel half of the release film from the roll. Gradually push/roll the material into place with firm, even pressure from the center to the outer edge. Repeat this process with the remaining half of the roll.
- Back-nailing is required on slopes of 2:12 or greater. Ensure all fasteners are covered by the overlapping course of membrane to maintain watertight integrity.
- Position successive rolls providing a minimum 6" end lap and 3" side lap. Position the next sheet by overlapping seams in such a manner that all laps shed water.
- All self-adhered membranes are pressure sensitive and require full adhesion to the substrate. After adhering the Polystick underlayment, apply uniform pressure across the entire surface using a minimum 35 lb weighted split-faced roller to ensure complete contact. For steep slope applications where safety is a concern, brooming the membrane surface with firm, sufficient pressure is an acceptable alternative to rolling. Always follow proper safety procedures.

- Cut and repair any fishmouths that may occur during installation, as fishmouths may protrude and raise the finished roofing system.
- To repair damaged areas, clean the surface and apply a patch of Polystick PX HT, extending at least 6" beyond the damaged area in all directions. Hand-roll the patch firmly into place. Mastic is not required if the film surface is clean, dry, and free of dust or debris. Install patches so water flows parallel to or over all seams.

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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