

POLYSTICK® IR-XE

GRANULATED SELF-ADHERED ICE & WATER PROTECTION SHINGLE UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick IR-Xe is a self-adhered ice & water protection underlayment for shingle roof coverings. Utilizing ADESO® dual-compound self-adhered technology, Polystick IR-Xe 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 IR-Xe is reinforced with a fiberglass mat, and surfaced with aggregate to enhance skid resistance and allow exposure up to 90 days. The rubberized asphalt seals around correctly installed nails on the weathering surface.

TYPICAL APPLICATIONS

- Specially designed ice & water protection underlayment for shingle roof coverings.
- Use over entire roof, eaves and/or in critical areas.
- Added protection against areas prone to wind driven rain and ice damming.

FEATURES AND BENEFITS

- Surface engineered for superior slip resistance and long-term performance.
- Aggressive self-adhesive compound for wind uplift protection.
- Self-adhered technology increases labor efficiency and roof dry-in speed.
- Asphaltic compound provides excellent weathering characteristics and nail sealability.

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.



PRODUCT DATA**

IR-Xe 36" Wide

Net Coverage (Approx) 180 ft² (16.7 m²)
 Gross Coverage 195 ft² (18.2 m²)
 Weight (Approx) 48 lbs (22 kg)
 Thickness (Nominal) 52 mils (1.3 mm)
 Roll Size 65'4" x 36" (19.9 m x 0.914 m)
 Rolls/Pallet 35

IR-Xe 39" Wide

Net Coverage (Approx) 181 ft² (16.8 m²)
 Gross Coverage 195 ft² (18.2 m²)
 Weight (Approx) 53 lbs (24 kg)
 Thickness (Nominal) 52 mils (1.3 mm)
 Roll Size 59'7" x 39 3/8" (18.2 m x 1 m)
 Rolls/Pallet 35

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- UL Classified
- ICC ESR-1697
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



PRODUCT CODES

- PSIRXE (36" Wide)
- PSIRXEBB (39" Wide)



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APPLICATION INSTRUCTIONS

- Polystick IR-Xe 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 IR-Xe 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 IR-Xe must be covered within 90 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

Polyglass U.S.A., Inc.
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Questions? 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 5 years.

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.

This product is qualified for use as a component of a FORTIFIED-eligible roof system. Use of this product does not guarantee a FORTIFIED™ designation. To be eligible for a FORTIFIED designation, a complete roofing system (components and accessories) must meet the requirements detailed in the FORTIFIED Home™ Standard and be installed by a certified FORTIFIED Roofing Contractor. Products that are required to meet the standard include but may not be limited to: roof coverings, attic ventilation components, a qualified sealed roof deck system, roof underlayments, edge metal and appropriate fasteners for all mechanically fastened components. Documentation for all products and their installation is required. Additional requirements, eligibility criteria and restrictions apply. See the current FORTIFIED Home standard at <https://fortifiedhome.org/technical-documents/> for details.



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