

POLYSTICK® IR-Xe

SELF-ADHERED ICE & WATER PROTECTION UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick IR-Xe, is a homogeneous rubberized asphalt waterproofing compound, fiberglass reinforced, with an aggregate surface for skid resistance for use in ice and water protection and low-slope vapour barrier applications. The rubberized asphalt seals around correctly installed nails on the weathering surface. Split release backing film aids in easy positioning of sheets to maintain proper line.

Polystick IR-Xe underlayments are manufactured using patented ADESO® Dual-Compound Self-Adhered technology, whereby a “true” polymer modified asphalt compound is applied on the top layer and an aggressive self-adhesive compound is applied on the bottom layer.

TYPICAL APPLICATIONS

- Specially designed for multiple steep slope applications.
- Designed as effective reinforcement for perimeter and flashing details.
- Added protection against areas prone to wind driven rain and ice damming.
- For use in low-slope applications as a vapour barrier in Polyglass assemblies.

FEATURES AND BENEFITS

- Proprietary asphalt compound and fiberglass mat for exceptional dimensional stability.
- Surface engineered for superior slip resistance and long-term performance.
- Aggressive self-adhesive compound for ease of application.

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 0.1 U.S. Perms [5.7 ng/Pa.S.M²]	E96	0.1
Adhesion to Plywood min at 40°F, lbf/ft width	D1970	2.0
Adhesion to Plywood min at 75°F, 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**

Net Coverage (Approx)..... 16.7 m² (180 ft²)
 Gross Coverage 18.2 m² (195 ft²)
 Weight (Approx) SAND..... 28 kg (61 lbs)
 Weight (Approx) MINERAL.. 25 kg (56 lbs)
 Thickness (Nominal) 1.5 mm (60 mils)
 Roll Size ... 19.9 m x 0.914 m (65'4" x 36")
 Rolls/Pallet – Wrap 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

- PSIRXEBB36V2 (Mineral/Release Film)
- PSIRXES36V2 (Sand/Release Film)



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APPLICATION INSTRUCTIONS

- Apply Polystick IR-Xe directly to the roof deck.
- Do not apply to shingles or other roof coverings.
- Apply only when the weather is dry and material interface temperatures (air, roof deck, membrane) are 40°F and rising.
- Always start at the lowest point of the roof deck where possible.
- 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" minimum and endlaps 6" minimum.
- Peel half of the backing off the roll and apply firm, even pressure from the center to the outer edges.
- Remove the backing from the remaining half of the roll and apply pressure.
- Always ensure that Polystick IR-Xe is applied over the area to cover the highest point of "ice damming".
- 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 (i.e. 2:12 slope or higher) where backnailing will be required, be sure that all nails are covered by the overlapping next sheet.
- Manufacturer recommends applying covering within 90 days unless otherwise limited by the Authority Having Jurisdiction (AHJ).

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.ca

