POLYSTICK® XFR

FIRE RESISTANT SELF-ADHERED ROOF UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick XFR is a dual purpose fire resistant and self-adhered waterproofing underlayment. Utilizing ADESO® dual-compound self-adhered technology, Polystick XFR features a SBS (elastomeric) modified bitumen upper compound and an aggressive self-adhesive compound on the bottom. Polyglass' patent pending Burn-Shield Technology™ provides superior fire resistance.

Polystick XFR features a slip-resistant film surface which can be exposed up to 180 days. With a temperature resistance of up to 265°F, Polystick XFR is ideally suited for high temperature roof covering systems such as steel and copper roofing, where fire resistance is required or desired.

Can be installed as part of a multi-ply underlayment system when used as a secondary layer above Polystick MTS PLUS or Polystick XFR.

ADESO SELF-ADHERED TECHNOLOGY

TYPICAL APPLICATIONS

- Over combustible decks and under metal roof coverings to achieve class A fire ratings.**
- Specifically designed as underlayment for high temperature applications.
- Approved for application under metal roof panels, asphalt shingles, mechanically attached tiles.
- Can be used as part of a multi-ply underlayment system.

FEATURES AND BENEFITS

- Fire spread/penetration and ember resistance in systems tested under UL 790.
- 180 days exposure.
- Approved up to 265°F.
- Fiberglass reinforced for added strength and dimensional stability.

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Maximum Load, min	ASTM D5147	35 lbf/in [4.4 kN/m]	69 lbf/in [12 kN/m] MD 40 lbf/in [7 kN/m] XMD
Elongation at break, min of modified bitumen portion	ASTM D5147	10%	50% MD 60% XMD
Tear Resistance, min	ASTM D5147	20 lbf [89 N]	157 lbf [700 N] MD 79 lbf [350 N] XMD
Thermal Stability, max	ASTM D1970	0.1 in [3 mm]	pass
Adhesion to Plywood [min at 40°F]	ASTM D1970	2.0 lbf/ft	15 lbf/ft
Adhesion to Plywood [min at 75°F]	ASTM D1970	12.0 lbf/ft	25.0 lbf/ft
Waterproof integrity of Lap Seam	ASTM D1970	pass	pass
Flexibility at -29°C [-20°F]	ASTM D5147	pass	pass
Sealability around Nail	ASTM D5147	pass	pass
Slip Resistance	ASTM D1970	pass	pass
Moisture Vapor Permeance, max	ASTM E96	max 0.1 U.S. Perms [5.7 ng/Pa.S.M²]	pass

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

UL CLASS A RATING LAYER REQUIREMENTS (UNDER METAL)**

Deck: Plywood (15/32), spaced sheathing or 7/16" OSB
Anchor Sheet (optional): ASTM D226 (II) 30# Felt
Insulation (optional): Polytherm Polyiso
Second Ply (optional): Polystick XFR
Underlayment: Polystick XFR
Roof Covering: UL Listed copper or steel standing seam, 26 gauge minimum

** Unlimited Slope. Refer to published UL product listings (TGFU.R14571) for specific fire rated assemblies.

PRODUCT DATA***

Coverage (Approx)..... 150 sq ft (13.7 m²)
Weight (Approx) ..... 75 lbs (34 kg)
Thickness (Nominal)..... 80 mils (2.0 mm)
Roll Size .....49' × 39⅜" (15 m × 1 m)
Rolls/Pallet.....20

***All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- UL Classified

PRODUCT CODES

- PSXFR

ROOFING AND WATERPROOFING SYSTEMS
POLYGLASS
MAPEI GROUP

www.polyglass.us

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APPLICATION INSTRUCTIONS

- Polystick XFR 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 XFR 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 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 where back nailing may be recommended, be sure that all nails are covered by the overlapping next sheet.
- Polystick XFR 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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