

POLYSTICK® XFR

SELF-ADHERED FIRE-RESISTANT HIGH TEMP UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick XFR is a self-adhered waterproofing underlayment with superior fire resistance designed for metal roof coverings. Utilizing ADESO® dual-compound self-adhered technology, Polystick XFR 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.

Polyglass' patented Burn-Shield Technology® provides superior fire and ember resistance in areas where this is required or desired. With a temperature resistance of up to 265°F, Polystick XFR is ideally suited for high temperature roof covering systems such as steel, aluminum, or copper panels. Polystick XFR features a cavitated slip-resistant top film surface which can be exposed up to 180 days.

Polystick XFR can be installed as part of a multi-ply underlayment system when used as a secondary layer above Polystick MTS Plus or a two-ply Polystick XFR assembly.

TYPICAL APPLICATIONS

- Over combustible decks and under metal roof coverings to achieve class A fire ratings. ** (see pg. 2 Class A Table)
- Where fire resistance is required by code or desired.
- As part of a multi-ply underlayment system for extended warranties.
- Primary application under metal. Also approved under Wood/Asphalt Shingles, Synthetic.

FEATURES AND BENEFITS

- Fire spread/penetration resistance in systems tested under UL 790.
- Cavitated slip-resistant top film surface.
- Fiberglass reinforced for added strength and dimensional stability.
- Robust 80 mils (2 mm) of waterproofing rubberized asphalt.
- Self adhered technology increases labor efficiency and roof dry-in speed.
- Approved up to 265°F.
- Max 180 days UV exposure.

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.



PRODUCT DATA**

Net Coverage (Approx) ... 150 ft² (13.9 m²)
Gross Coverage 160 ft² (15 m²)
Weight (Approx) 75 lbs (34 kg)
Thickness (Nominal) 80 mils (2.0 mm)
Roll Size 49'3" x 39 3/8" (15 m x 1 m)
Rolls/Pallet 30

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- ASTM E108/UL790, Class A Fire Resistance** (see Class A table)
- UL Classified
- Listed by California State Fire Marshal
- ICC ESR-1697
- FORTIFIED Roof™ Compliant
- Florida Building Code
- Miami-Dade County Approved
- Texas Department of Insurance



PRODUCT CODES

- PSXFRQ



www.polyglass.us

POLYSTICK® XFR

SELF-ADHERED FIRE-RESISTANT HIGH TEMP UNDERLAYMENT

UL CLASS A LISTING BY ROOFING COVERING

Deck	Anchor Sheet (Optional)	Insulation (Optional)	Second Ply (Optional)	Underlayment	Roof Covering
Plywood (15/32"), spaced sheathing or 7/16" OSB	ASTM D226 (III) 30# Felt or Polyanchor HV	Polytherm Polyiso	Polystick XFR	Polystick XFR	UL Listed copper panels or steel standing seam panels, stone coated shingles, 26 gauge minimum**
As listed by shingle manufacturer	N/A	N/A	Polystick XFR	Polystick XFR	Any UL Listed Class A asphalt glass fiber mat shingles***
Deck	Anchor Sheet (Optional)	Insulation (Optional)	Second Ply (Required)	Underlayment	Roof Covering
Plywood (15/32"), spaced sheathing or 7/16" OSB	ASTM D226 (III) 30# Felt or Polyanchor HV	Polytherm Polyiso	Polystick XFR	Polystick XFR	UL Listed aluminum panels, 0.032" min.**

** Unlimited Slope. Refer to published UL product listings (TGFR.R25992) for specific fire rated assemblies.

*** Refer to published UL product listing TGDY.R25992 for specific fire rated assemblies.

APPLICATION INSTRUCTIONS

- Polystick XFR may be applied directly to the roof deck where allowable by Code, or to various approved substrates such as Polyanchor HV 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.
- 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 XFR must be covered within 180 days of installation or unless otherwise limited by the Authority Having Jurisdiction.

MEMBRANE INSTALLATION

- 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 designated 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.
- After adhering the Polystick underlayment, uniform pressure must be applied to the entire surface. Roll area with a 35 lbs or 75 lbs weighted roller, or water-filled lawn roller. Brooming the surface of the Polystick membrane is also acceptable on steep pitched roof applications where safety is a concern. NOTE: Polyglass advises that proper safety precautions are taken during rolling on all sloped roofs.
- Refer to Technical Bulletin #2023-M-01 for additional installation information.

MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Waco, TX
- Winter Haven, FL

CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.
1111 West Newport Center Drive
Deerfield Beach, FL 33442

www.polyglass.us

General Line: (888) 410-1375
(954) 233-1330
Customer Service: (800) 222-9782
Technical Service: (866) 794-9659

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 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.

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.



www.polyglass.us