

POLYSTICK® P

SELF-ADHERED HIGH TEMPERATURE ROOF UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick P is an elastomeric modified asphalt waterproofing underlayment with a high tensile strength film top surface, designed to resist temperatures up to 250°F. The top surface film is embossed with a skid-resistant proprietary pattern while the bottom surface is constructed with a high-temp compound allowing self-adhered application after removal of the split release paper. Polystick P is specifically designed as a metal underlayment and can also be used under most mechanically attached tiles and asphalt shingles.

TYPICAL APPLICATIONS

- Under metal, including steel and copper
- Under mechanically attached roof tile, as well as other mechanically attached roof coverings
- For valleys, skylights and other flashing areas
- As part of a multi-ply underlayment system

FEATURES AND BENEFITS

- Waterproofing against water infiltration and ice dam conditions
- White top film with bi-directional laylines
- Skid-resistant surface embossing
- Temperature resistant up to 250°F
- Self-adhered compound is self-sealing around properly installed nails
- Siliconized split-release paper provides quick and accurate installation
- Exposure rating up to 120 days
- Rubberized asphalt bleed-out along edge ensures watertight seam

TECHNICAL DESCRIPTION*

Physical Properties	ASTM Method	ASTM Value	Typical Performance
Tensile Strength	D412		713 psi [4.92 MPa] - MD 654 psi [4.51 MPa] - XMD
Elongation at Break	D412		568% - MD 605% - XMD
Thermal Stability, max	D1970	0.1 in [3 mm]	pass
Adhesion to Plywood [min at 75°F]	D1970	12.0 lb/ft [5.44 kgf/30.5 cm]	25.6 lb/ft [373.60 N/m]
Waterproof integrity of Lap Seam	D1970	pass	pass
Low Temperature Flexibility	D1970	pass at -29°C [-20°F]	< -32°F [-36°C]
Moisture Vapor Permeance, max	D1970	max 0.1 U.S. Perms [5.7 ng/Pa.S.M.²]	pass
Sealability around Nail	D1970	pass	pass

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



PRODUCT DATA**

Coverage (Approx) 200 sq ft (18.6 m²)
 Weight (Approx) 56 lbs (25 kg)
 Thickness (Nominal) 42 mils; 1.07 mm
 Roll Size .66'8" x 36.2" (20.1 m x .920 m)
 Rolls/Pallet.....20

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- ICC ESR-1697



PRODUCT CODES

- PSP2



www.polyglass.us

POLYSTICK® P

SELF-ADHERED HIGH TEMPERATURE ROOF UNDERLAYMENT

APPLICATION INSTRUCTIONS

Apply over clean, dry, dust and debris-free substrates. Prime required substrates prior to application with PG-100 Fast-Drying Asphalt Primer or WB-3000 Water Based Primer. Consult Polyglass Technical Services if alternate primer is allowed.

Apply only when the substrate is dry and project related temperatures (air, roof deck, membrane) are 40° F and rising.

Polyglass recommends applying covering within 120 days unless otherwise limited by the Authority Having Jurisdiction (AHJ). Polystick underlayments are not designed for use at exposed application locations such as; crickets, exposed valleys and exposed areas at walls.

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.

- Directly over the acceptable surface install Polystick P, without wrinkles or fishmouths. Unless the substrate surface is flat, voids may occur which will be hard to seal and may not render a permanent, waterproof roof. It is the installer's responsibility to ensure that substrate conditions permit a wrinkle and void-free installation. Any voids occurring may have to be sealed with a heat gun or other suitable mastic.
- When a double-layer Polystick P membrane installation is specified or desired, membrane may be installed with a half-lap installation technique to avoid build up at laps.
- Cut the Polystick P to a suitable, workable length prior to placement. Working from the low point to the high point of the roof, position the material in the desired location on the substrate and proceed as follows.
- Fold the material back onto itself (width-wise) and remove the split back release paper from the exposed side, gradually push/roll the material into place (do not lift and drop the material into place, air pockets may occur that will be difficult to remove).
- Apply even pressure along the entire length of the membrane, from center to outer edges, to avoid air inclusions or wrinkles. Repeat for other side.
- Position the next sheet by overlapping seams to lineup side laps with the lay lines provided on the surface of the membrane to achieve the 3.5" side lap. Overlap cut end laps a minimum 6". Install the membrane such that all laps shed water.
- Repeat the above procedure for all subsequent sheets.
- After adhering roll, it is recommended that uniform pressure be applied to the entire roll area by a 40 lb. roller. Care must be taken during rolling on sloped roofs. Brooming is also acceptable.
- Repair of Polystick P is to be accomplished by applying a patch of the Polystick P material over the area in need of such repair, apply sufficient pressure to ensure contact. Repair is to extend a minimum of 6 inches in all directions beyond affected area.

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) 802-8017

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, application and warranty information, visit www.polyglass.us



www.polyglass.us