POLYSTICK® P

SELF-ADHERED CARRIERLESS ICE & WATER HIGH TEMP UNDERLAYMENT

PRODUCT DESCRIPTION

Polystick P is a self-adhered high-temp waterproofing underlayment for use under metal and various other roof coverings. The top surface is composed of a UV resistant high strength polyolefin composite film with Hi-Tread™ slip-resistant coating which is mated to a high-temp SBS (elastomeric) self-adhered compound. A siliconized split-release paper provides quick and accurate installation.

This carrierless membrane is highly flexible; ideal for flashing around roof penetrations and transitions and other critical areas.

Although Polystick P is designed for metal roof coverings, this versatile underlayment can also be installed under asphalt shingles, synthetic tiles, and other approved roof coverings.

TYPICAL APPLICATIONS

- Specifically designed as underlayment for high temperature applications.
- Approved for application under steel and aluminum roof panels.
- Over entire roof and/or for valleys, skylights and other critical areas.

FEATURES AND BENEFITS

- Waterproofing against water infiltration and ice dam conditions.
- Cool white top film with bi-directional laylines.
- Hi-Tread surface embossing with slip-resistant diamond plate pattern.
- Highly flexible; ideal for flashing around roof penetrations and transitions and other critical areas.
- Asphaltic compound provides excellent sealability around nails.
- Rubberized asphalt bleed-out along edge ensures watertight seam.
- Approved up to 250°F.
- 180 days exposure.

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 lbf/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)
Sealability around Nail	D1970	pass	pass
Moisture Vapor Permeance, max	E96	max 0.1 U.S. Perms (5.7 ng/Pa.S.M.^{2})	pass

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

PRODUCT DATA**

Net Coverage (Approx) ...180 ft^2 (16.7 m^2)
Gross Coverage .....200 ft^2 (18.6 m^2)
Weight (Approx) ..... 45 lbs (20.3 kg)
Thickness (Nominal)..... 40 mils (1 mm)
Roll Size 66'7" × 36" (20.3 m × 0.914 m)
Rolls/Pallet.....35

**All values are nominal at time of manufacturing

APPLICABLE STANDARDS

- ASTM D1970
- ASTM E108/UL 790, Class A Fire Resistance***
- ICC ESR-1697
- Texas Department of Insurance

***UL Class A Fire Resistance applies when installed under Class A asphalt shingles

PRODUCT CODES

- PSP2

POLYGLASS®
MAPEI GROUP
www.polyglass.us

Edition Date: 05/24 • Doc# Polystick P

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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. At lower temperatures, nailing or priming should be used to temporarily hold the membrane in place while adhesion develops.
- Polyglass recommends applying covering within 180 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.

MEMBRANE INSTALLATION

- 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.
- Partially fold the material back onto itself (width-wise) and remove the split back release paper from the exposed side. Polyglass recommends removing that half of the split release paper at a 30 degree angle, while maintaining a low clearance to the roof deck. Gradually push/roll the material into place. Do not lift and drop the material into place as such can create voids that may be difficult to remove. Should such voids be created during application, cut voids for relief and patch with like materials.
- 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 35 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

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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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