

POLYFLASH® 1PS

ONE PART POURABLE SEALANT

PRODUCT DESCRIPTION

Polyflash 1PS is a one-component, advanced polyether liquid flashing with semi-self-leveling properties that reacts and cross-links in the presence of moisture to provide an extremely durable seal with excellent weathering and UV resistance. The technology in Polyflash 1PS makes it suitable for wet, dry, and cold temperature applications.

USES

Polyflash 1PS is a professional grade pourable sealer used on roof penetrations (with the Polyflash Curb Kit), pitch pans, metal roof seams, fasteners, gutters and other building envelope applications.

FEATURES AND BENEFITS

- Solvent and isocyanate free, 100% solids
- Ultra low VOC's
- Fast skinover
- Does not bubble or off-gas in the presence of moisture
- Non-flammable
- Multiple colors available
- Permanently elastic in a broad temperature range (-40 – 200°F)
- Superior UV resistance and weathering
- Bonds to most construction substrates
- Paintable
- Low odor
- Extremely low shrinkage

TYPICAL PHYSICAL PROPERTIES

TEST PROPERTY	TEST VALUE	TEST PROCEDURE
Chemistry	Polyether	
Viscosity (cps @ 10 rpm)	87,500	ASTM D2196-10
Density (lbs./gal)	13.6	
Hardness (Shore A)	54	
Skinover time @ 50%RH/70°F	20 min	ASTM C679
VOC's (g/L)	18	ASTM C1250
Elongation at Break (%)	105	ASTM D412-06
Tensile Strength (psi)	179	ASTM D412-06
Shrinkage (%)	0	
Peel Strength (lbf/in)	ABS Plastic – 11 Acrylic – 8 Aluminum – 10 Glass – 8 Mortar – 6 Pine – 5 PVC – 10	ASTM D903

APPLICATION INSTRUCTIONS

Surface Preparation:

Prepare all surfaces prior to material installation. All surfaces must be structurally sound and free of foreign materials including but not limited to dirt, tar, oil, grease, loose paint, wax and other contamination from adjacent working surfaces. Maintain Polyflash 1PS at room temperature before applying to ensure easy pourability. When using to fill curbs or pitch pans, make sure the curb is set in Polyflash HPS and the penetration is also sealed from its base to 1" above the curb or pitch pan height. This will prevent the pourable sealer from flowing through the opening. If tooling is needed, do so within fifteen minutes of application. If there is any material left in the pouch, squeeze any air out before capping it. As you move from surface to surface, test and evaluate to ensure adequate adhesion.

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APPLICABLE STANDARDS

- May contribute to LEED v4 EQ Material Resource Credit 4.1 - Adhesives and Sealants
- Federal Specification TT-S-00230-C Type II, Class B Cold weather application
- Corps of Engineers CRD-C-541, Type II, Class B
- Conforms to OTC Rule for Sealants and Caulks
- Meets requirements of California Regs: CARB, BAAQMD and SCAQMD

PACKAGING

- 2 L Pouches

COLORS

White, Black, and Grey



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Concrete:

Prior to application remove any possible residual contamination by mechanical abrasion, sand blasting and/or power washing. If installing onto green concrete, remove all release agents and loose concrete. Dry all visible and/or standing water.

Metal:

Remove all rust, scale and residue using a wire brush. Remove loose or incompatible coatings and oils with a mild solvent such as alcohol.

In the case of previously coated substrates, Polyglass recommends that an adhesion test be performed prior to starting a project, to determine suitability for use.

Priming:

In most applications Polyflash 1PS will not require a primer. However, certain substrates may require a primer to ensure a long lasting bond and weatherproof seal. It is the applicator's responsibility to determine whether or not a primer is needed in their specific application.

Storage and Cleaning:

- Store in original, unopened containers, at temperatures between 60°F – 80°F
- Recommended shelf life is 12 months from date of manufacture on bottom of tube.
- Keep tube tightly sealed. Dispose of contents/container in accordance with Local/Regional/National/International Regulations. Refer to Safety Data Sheet (SDS) for further information.
- Clean tools and any uncured material with a mild solvent such as mineral spirits.

For Professional Use Only - Keep out of the reach of children.

MANUFACTURING FACILITIES

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

CORPORATE HEADQUARTERS

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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 that result in the material not complying with product specifications for a period of 12 months.

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. The product user, and not Polyglass, is responsible for determining the suitability and compatibility of our products for the user's intended use.

For the most current product data and warranty information, visit www.polyglass.us