

POLYFLASH 1C

ONE PART FLASHING COMPOUND

PRODUCT DESCRIPTION

PolyFlash 1C is a one-component, moisture-cure, white flashing compound designed for sealing various roofing and waterproofing details such as walls, curbs, vents, roof drains, pitch pans and unusually shaped penetrations. When combined with PolyBrite Reinforcing Polyester, this product can easily solve typical and challenging flashing needs.

USES

PolyFlash 1C is primarily designed as a liquid flashing material for use with various roof membrane systems such as but not limited to: asphaltic membranes, polymer modified (APP, SBS) membranes, conventional BUR and other roofing systems. PolyFlash 1C can be used to seal to surfaces and wall conditions such as: masonry, wood, specialty gypsum sheathing products, curbs or vents, roof drains, pitch pans and unusually shaped penetrations.

When installed to a properly prepared substrate, PolyFlash 1C adheres well to most surfaces such as masonry, metal, wood, and some glazing conditions. PolyFlash 1C may be used as an approved liquid flashing product for most Polyglass roofing membrane products.

FEATURES AND BENEFITS

- Monolithic application provides a watertight seal
- High tensile strength
- UV resistant
- Crack bridging capabilities
- Extensive application ambient temperature range (40°F to 122°F)
- Minimal odor
- User-friendly application
- May be surfaced with other elastomeric coatings upon full cure
- During application, apply roofing granules to match existing roof surfacing

TYPICAL PHYSICAL PROPERTIES

| TEST PROPERTY | TEST VALUE | TEST PROCEDURE |
|--------------------------------------|------------|----------------|
| Color | White | Visual |
| Tensile, psi | 225 +/- 25 | ASTM D2370 |
| Elongation, % | 125 +/- 25 | ASTM D2370 |
| Tear, lb/in | 76 | ASTM D624 |
| Perms | .81 | ASTM E96 |
| Volume Solids, % | 84 | ASTM D2697 |
| Weight solids, % | 95 | ASTM D1644 |
| Impact resistance, Shore A | 69 | ASTM D2240 |
| Low Temperature Flexibility (-26 °C) | PASS | ASTM D522 |
| Rainproof after, hours | 2 | - |
| Fully cured, days | 3 | - |
| Density, lb/gal | 14 | ASTM D1475 |
| Water Absorption, % mass | 1.0 | ASTM D471 |
| Crack Bridging | PASS | ASTM C1305 |
| VOC g/L | < 120 | Calculated |



PACKAGING

- 2.5 Gallon (9.45 Liters) Pail

POLYGLASS U.S.A., INC. MANUFACTURING FACILITIES

- Fernley, NV
- Hazleton, PA
- Phoenix, AZ
- 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? pgmarketing@polyglass.com

Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass warrants its product(s) against manufacturing defects in its product that result in the product not complying with product specifications for a period of 12 months.



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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, paint, wax, rust, loose materials, curing concrete, or other parting agents. All surfaces to be prepared by removing existing coatings, latent materials, as well as miscellaneous contaminations that could adversely affect the adhesion or performance of the PolyFlash 1C.
- Use of a solvent wipe is recommended to prepare surface. Ensure all solvent has been removed or evaporated prior to product application. Follow the solvent wipe safety instructions.
- Wire brush or abrade rusted or treated surfaces such as Kynar® to increase mechanical bonding to the surface.
- When existing coatings cannot be removed, or if surface is questionable, perform a field test on a small section to determine proper adhesion. When in doubt, contact your Polyglass Technical Services Representative.
- It is not recommended to apply PolyFlash 1C when the substrates are over 190°F (88°C), under 40°F (4°C), or when there is an imminent chance of rain or other inclement weather.

Product Application:

- PolyFlash 1C is designed as a brush grade material. Apply by bristle paint brush, working the initial layer into the surface.
- Apply first application of PolyFlash 1C at a recommended minimum thickness of one-thirty-second of an inch (30–45 wet mils) onto the vertical and horizontal surface. Extend this first layer a maximum of one inch (1") past the point where the PolyBrite Polyester reinforcing fabric will be placed.
- Immediately apply PolyBrite Polyester by centering, embedding, and fully wetting the fabric.
- Extend PolyBrite Polyester a minimum of three inches (3") on the vertical surface, and three inches (3") on the horizontal surface. Ensure that the polyester does not have any wrinkles, folds, or other defects, and presents a smooth surface appearance. Do not attempt to embed polyester into skinned-over PolyFlash 1C.
- Back-brush the Polyester into the base layer of PolyFlash 1C.
- Apply a second application of PolyFlash 1C at a minimum thickness of one-thirty-second of an inch (30–45 wet mils). Applications suspected to experience repeated cyclic movement or more complicated conditions may require a second layer of PolyBrite Polyester and additional applications of PolyFlash 1C may be recommended.
- Smooth final finish with paint brush. If a granule surface is desired, broadcast clean granules or other aggregate material into uncured PolyFlash 1C material.
- Upon full cure, other surfacing or exterior finish may be applied to the PolyFlash 1C.
- Use of PolyFlash 1C and PolyBrite Polyester is not intended as a substitute for proper detailing or good roofing practices.
- PolyFlash 1C can be applied on clean, damp surfaces. *If applying over porous surfaces, contact Polyglass Technical Services (866) 802-8017.

Limitations:

- Thinning or dilution is not recommended.
- Always apply materials to strict compliance of all manufacturer's published requirements. Most current requirements are available at www.polyglass.us or by contacting Polyglass Technical Services Department.
- All coverage rates given are approximations, and do not account for waste, spillage, and/or irregular surfaces. PolyFlash 1C application rates can vary depending on PolyFlash 1C temperature, surface temperature, and ambient temperature. Coverage rates may also vary per project requirements or other specifications. The Contractor is ultimately responsible to determine all specifics for product use or conditions that affect application.
- Tack times and cure times may vary depending on atmospheric, substrate and project conditions.
- Depending on substrate PolyFlash 1C is applied to, there may be slight discoloration of substrate materials as finished product ages. This discoloration should have no adverse effects on the product's performance.



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Storage and Cleaning:

- Store in original, unopened containers, at temperatures between 70°F to 90°F (21°C to 32°C) until ready for use.
- When using in lower ambient temperatures, it is recommended to store at minimum 60°F (15.6°C) for 24 hours prior to use.
- For optimum results, rotate stock to ensure stored material has not exceeded the shelf life of one (1) year.
- After use, store unused PolyFlash 1C material in its original container, with packing film coming into contact with remaining product and covering the remaining product.
- Seal lid completely with lid gasket in place

WARNING

Contains calcium oxide and 4,4'-Methylenediphenyl diisocyanate.

Severe eye irritant - may cause eye damage. May cause skin irritation or rash. Vapors or mists may cause mucous membrane and upper respiratory tract irritation and possible asthma symptoms in sensitized individuals. Swallowing may cause gastrointestinal upset and other adverse effects.

Avoid contact with the eyes, skin and clothing. Wear eye protection and appropriate protective clothing and equipment. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use.

Individuals sensitized to isocyanates or with chronic asthmatic conditions should avoid exposure to this material.

Empty containers retain product residues and can be hazardous. Follow all SDS precautions when handling empty containers.

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

This product is not recommended for interior use.

Installers should read and understand all technical and informational literature on this product, including the SDS, prior to use of the product.

Refer to safety data sheet (SDS) for specific data and handling of our products.

All data furnished refers to standard production using manufacturing 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



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