

# POLYFLASH™ 2C KIT

## PRODUCT DESCRIPTION

The PolyFlash 2C Kit is a two component, odor free, UV-stable polyurethane high performance seamless and self-terminating waterproofing system that includes the materials necessary to flash and repair approximately 25 square feet of exterior application.

The PolyFlash 2C flashing system may be used to form watertight flashings at joints, parapets, walls, and other penetrations. The PolyFlash 2C Kit forms full closure to irregular flashings and penetrations of every imaginable shape, eliminating the need for pitch pockets.

The PolyFlash 2C flashing system provides excellent abrasion and wear resistance. The membrane resists tearing, puncture, high winds, structural movement, and routine foot traffic.

## USES

- Multi-use Primer included is used to prime a wide range of substrates including bitumen roofing, PVC, plywood, steel, galvanized steel, aluminum, lead, copper, zinc and glass. Please consult Polyglass Technical Services with any questions regarding substrate suitability for this product.
- Flashing for typical regular and irregular roof penetrations
- Door, window sill, and other below minimum flashing heights
- Any area requiring a reinforced heavy-duty flashing

## FEATURES AND BENEFITS

- Fully reinforced, seamless technology with high strength fleece
- 2-part formulation - simple to mix in a trouble-free sachet
- Container can store all used materials and tools for easy disposal
- Low VOC, odor free

## KIT CONTENTS

	PKG. QTY
POLYFLASH 2C PUR SACHETS*	3
POLYFLASH 1400 PRIMER SACHET*	1
FLEECE 13'8" x 25'	1
5 QT MULTI-MIX CONTAINER	2
WOODEN STICK FOR MIXING	1
4" RESIN ROLLER HANDLE	1
4" RESIN ROLLER NAP	3
2.5" DETAIL BRUSH	1
SCISSORS	1
DISPOSABLE NITRILE GLOVES	4
KIT APPLICATION GUIDELINES	1

*\*Physical properties as well as additional information for these products are available in their respective product data sheets.*



## PACKAGING

1– 6.5 gallon bucket contains resin, primer, fleece, and application tools.

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

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

## CORPORATE HEADQUARTERS

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Unless otherwise incorporated into or part of a supplemental manufacturer's warranty, Polyglass U.S.A., Inc. 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:

- Refer to SDS before using or handling this product. Prior to mixing or applying these products, wear appropriate safety glasses and protect hands with gloves.
- All surfaces must be free from gross irregularities, loose, unsound or foreign material such as dirt, ice, snow, water, grease, oil, release agents, paints, coatings, lacquers, excess granules, or any other condition that would be detrimental to adhesion of the primer and membrane. This requires careful preparation of existing horizontal and vertical substrates; cracks are filled, expansion joints are prepared, flashings are removed or modified, and termination points are determined.
- Substrates and penetrations may require sandblasting or grinding in some cases to achieve a suitable surface. Substrates and penetrations are prepared to SSPC-SP3 standards, and may require scarifying, sandblasting or grinding in some cases to achieve a suitable substrate.
- As a final step following mechanical surface preparation, wipe the substrate surface with MEK Cleaner or acetone to remove residue, and allow surface to dry completely before applying primer.

### Application:

- PolyFlash 2C system may be applied when the ambient temperature is 40°F and rising, and the substrate temperature is a minimum of 5°F above the dew point.
- Pre-cut all reinforcement with enclosed fleece and mask off areas for a neat and uniform appearance.
- PolyFlash 1400 Primer - use scissors to carefully remove foil wrapper from inner plastic pack. Knead larger bag section of primer Component A thoroughly until a uniform consistency and appearance is achieved. Pull away the rubber cord separating the two components so that primer Component A and hardener Component B can be mixed together. Knead the bag quickly and thoroughly for approximately 60 seconds so that a homogenous product is formed. The resin should be a uniform color, with no light or dark streaks present. See PolyFlash 1400 primer product data sheet for additional information for this product.
- After PolyFlash 1400 primer is mixed, cut off one corner of the bag and pour primer into a separate container. Working quickly, apply approximately one gallon per 100 square feet (16 wet mils). The primer should be rolled or brushed evenly onto the surface to totally saturate the substrate in one application. Allow primer to set approximately three hours prior to application of PolyFlash 2C. NOTE: PolyFlash 2C may be applied when the primer is completely dry and without tack. Do not apply PolyFlash 2C to tacky or wet primer.
- PolyFlash 2C - Knead larger bag section of resin Component A thoroughly until a uniform consistency and appearance is achieved. Pull away the rubber cord separating the two components so that resin Component A and hardener Component B can be mixed together. Knead the bag quickly and thoroughly for approximately 60 seconds so that a homogenous resin is formed. The resin should be a uniform color, with no light or dark streaks present. Cut open bag and pour resin into a separate container. See PolyFlash 2C product data sheet for additional information for this product.
- Apply a coat of mixed resin on the entire surface, at approximately 4.5 gallons per 100 square feet (72 mils) then place fleece reinforcement and apply a second coat of mixed resin to the fleece surface to finish the fleece saturation, rolling or brushing with a broad, even stroke to achieve a glossy appearance. Apply additional resin at approximately two gallons per 100 square feet (32 mils) between fleece layers at all overlaps. The fleece can only hold so much resin and all excess should be rolled forward to the unsaturated fleece areas. The correct amount of resin will leave no whiteness in fleece and there will be a slightly fibrous surface texture. If area has been masked off, remove tape once correct application of resin is completed.
- Resin working time, INCLUDING MIXING TIME, is 20–40 minutes. DO NOT continue to use resin once it has begun to thicken and become warm to the touch. The flashing will typically be water resistant in two hours.
- Coating or additional aggregate bonding layers must be applied in the period between 24–48 hours after initial application or mechanical preparation will be required.



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## Storage and Cleaning:

- Product shelf life: 12 months from date of manufacture when properly stored.
- Always store in a cool and dry location. Do not store in direct sunlight or in temperatures below 35°F or above 80°F.
- Store 24 hours at room temperature prior to application.
- Observe normal safeguards for storing and handling of this product prior to and during application.
- Keep containers covered when not in use.
- Cured resin and primers may be disposed of in standard landfills. This is accomplished by mixing all resin and primer components together and allowing to harden. Dispose of entire container. NOTE: Uncured PolyFlash 2C resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations. Do not throw uncured resin away.

## WARNING

**Personal Protection** - Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

**Eye Contact** - Flush eyes with water while lifting the upper and lower lids and seek medical advice.

**Waste Disposal** - Empty containers must be disposed of in accordance with local, state and federal regulations.

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

This product is not recommended for interior use.

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](http://www.polyglass.us)

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