

# POLYFLASH™ 2C

## PRODUCT DESCRIPTION

The PolyFlash 2C is a two component, odor free, UV-stable polyurethane high performance seamless and self-terminating cold fluid-applied polyester reinforced solvent-free flashing system.

The PolyFlash 2C flashing system may be used to form watertight flashings at joints, parapets, walls, and other penetrations. The PolyFlash 2C 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

- Flashing typical pipe, angle iron, and irregular penetrations
- Door, window sill, and other below minimum flashing heights
- Gutter edge flashing and gutter lining
- Any area requiring a reinforced heavy-duty flashing

## FEATURES AND BENEFITS

- Fully reinforced, seamless technology which incorporates high strength fleece
- UV-stable formulation
- Low VOC, odor free

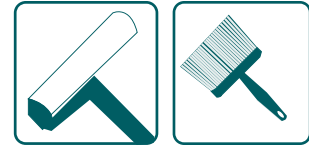
## APPLICATION INSTRUCTIONS

### 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 and wrists by wearing appropriate 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 fleece and mask off areas for a neat and uniform appearance.



## PACKAGING

2.41 gallon pail (9.12 liters) containing A+B components

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

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

## CORPORATE HEADQUARTERS

Polyglass U.S.A., Inc.  
1111 West Newport Center Drive  
Deerfield Beach, FL 33442  
[www.polyglass.us](http://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](mailto: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.



# POLYFLASH™ 2C

- Primer - After substrate preparation, watertightness is achieved through the use of primer. Please consult the PolyFlash Primer 1400 product data sheet for substrate suitability and application information
- PolyFlash 2C - Mix resin component A with agitator until the liquid is a uniform color. Pour resin component B into component A and thoroughly mix the components with a clean agitator. The resin solution should be a uniform color, with no light or dark streaks present. NOTE: Do not break down work packs into smaller quantities - mix the entire work pack.
- Yield (approx): 38 sq ft/2.41 gallon pail (Using Polyglass Polyester Fleece 165)
- 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. Membrane is water resistant after 2 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.

## TYPICAL PHYSICAL PROPERTIES

### Component Properties:

PROPERTY	COMPONENT A	COMPONENT B
Color	Cream	Dark Brown
Physical State	Liquid	Liquid
Specific Density	1.25	1.22
Viscosity	5,000	50
Flashpoint	>100°C/212°F	>200°C/392°F

### Membrane Properties:

PHYSICAL PROPERTY	VALUES
Color	Yellow-Gray
Physical State	Cures to Solid
Thickness (165 Fleece)	70 mils
VOC Content	6g/L
Tensile Strength at Break	120 lbs/in
Elongation	30%
Tear Resistance	5.0 lbs
Puncture Resistance	150 lbs
Dimensional Stability	.1%
Water Absorption	2.2%
Impact Resistance	Shore A: 85
Water Vapor Transmission	.04 perms
Usage Time*	30 mins
Water Resistant After*	2 hrs
Apply Overburden After*	2 days
Apply Coating/Surfacing After*	16-48 hrs
Completely Hardened*	3 days
Crack Spanning	2mm/.08 in
Short-term Temperature resistance	250°C/482°F

\* Values obtained at 73°F, 50% relative humidity, may vary depending upon air flow, humidity and temperature

# POLYFLASH™ 2C

## 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 may be disposed of in standard landfills. This is accomplished by mixing all resin 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)



# POLYFLASH™ 2C

