

### 1. PRODUCT NAME

FLEX-FILL

### 2. MANUFACTURER

Polygem, Inc.  
1105 Carolina Drive  
West Chicago, IL 60185  
Telephone: (630) 231-5600  
FAX: (630) 231-5604  
Internet: www.polygem.com

### 3. PRODUCT DESCRIPTION

**FLEX-FILL** is a 100% solids, two-part epoxy joint filler specifically formulated to meet the punishing demands of today's industrial floors. **FLEX-FILL** is used to fill and repair joints and cracks subjected to hard wheeled traffic and will provide for a flexible and durable surface. **FLEX-FILL** is flexible and resilient and will help protect floor cracks, saw-cut and control joints from cracking or spalling of the joint edges. **FLEX-FILL** can also be mixed with sand and applied as a coating for a resilient non-skid surface.

#### OUTSTANDING FEATURES

- EASY MIXING AND POURING
- SELF-LEVELING
- BONDS TO DAMP SURFACES
- EXCELLENT CHEMICAL AND WEAR RESISTANCE
- NON-SHRINKING

#### Uses

For sealing and protecting saw-cut joints in concrete floors. **FLEX-FILL** is ideal for use on:

- Joint and crack sealing and repair
- Flexible Membrane Coating
- Resilient Repair Mortar
- Waterproofing Membrane

### 4. APPLICATION INSTRUCTIONS

#### Floor Joints

- 1) Clean surface by sand blasting or grinding to provide clean and open surface.
- 2) Thoroughly mix measured amounts of 1 part of Part-A Resin with 1 part of Part-B Hardener by volume until streak free. Scrape side and bottom of pail frequently during mixing to insure a good mix. Mix only enough that can be applied in 45 minutes.
- 3) Pour **FLEX-FILL** into joint flush to surface.
- 4) Excess material can be removed with a razor knife after 3-4 hours of cure.

#### Membrane Coating

Spread mixed epoxy with a notched squeegee and back roll with a 3/8" nap roller to desired coating mil thickness. Broadcast silica sand into wet coating for additional abrasion resistance or aluminum oxide into wet coating for skid resistance if required.

#### Packaging

**FLEX-FILL** is available in 2 kit sizes:  
2 Gallon Kits and 10 Gallon Kits.

#### Color

Clear or Light Gray.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 24 months.

#### Limitations

- Not for use on contaminated or oily surfaces.
- Do not install when surface temperature is below 45°F (7°C) or above 95°F (32°C).
- During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured.

#### Cautions

- Wear chemical goggles and NIOSH approved respirator. Wear proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- POLYBAC #1319 ULTRA may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- For professional use only.
- Keep out of reach of children.

### 5. TECHNICAL DATA

| Test/Test Method               | Results               |
|--------------------------------|-----------------------|
| Hardness Shore A, ASTM-D-2204  | 70-80                 |
| Tensile ASTM D-412             | 1000 psi              |
| Elongation at Break ASTM D-412 | 100%                  |
| Adhesion (unprimed) ASTM D-904 | 30 plli               |
| Impact Resistance ASTM D-2794  | 16. ft. lbs.          |
| Pot Life @ 75° F (1 quart)     | 40 minutes            |
| Initial Cure Time @ 75° F      | 8 hours               |
| Final Cure Time @ 75° F        | 36-48 hours           |
| Mix Ratio by Volume            | 1 to 1                |
| Mixed Color                    | Specify Clear or Grey |
| Viscosity                      | 2,200 cps             |

Polygem, Inc. warrants its products to be free of manufacturing defects and that, at the time and place of shipment, our material will meet current physical properties when applied within Polygem's directions and tested in accordance with ASTM and Polygem standards. Polygem, Inc.'s liability is limited to replacement of material found defective. As Polygem, Inc. has no control over the use to which others may put its products, it is recommended that the product be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Nothing contained herein shall be construed to be a recommendation to use or as a license to operate under or to infringe any existing patents.

FLEXFILL/Rev. 9/5/03

Data sheets are subject to change without notice, for latest revision check our website at www.polygem.com