

# POLYBAC #1003

## FAST-SET LOW-ODOR EPOXY PASTE

Data Sheet C-03

### 1. PRODUCT NAME

POLYBAC #1003

### 2. MANUFACTURER

Polygem, Inc.  
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### 3. PRODUCT DESCRIPTION

POLYBAC #1003 is a specially formulated low-odor epoxy paste that will provide a fast-setting compound for sealing of cracked concrete prior to injection with epoxy or urethane resin systems. POLYBAC #1003 is an easy to mix 1 to 1 by volume ratio and will be ready for injection in as little as 25 minutes. POLYBAC #1003 is ideal for setting of injection ports and can be used to patch concrete prior to top-coating. POLYBAC #1003 is waterproof and will bond to wet surfaces and can even cure underwater. POLYBAC #1003 is a thick non-sag paste compound that will allow for vertical and overhead patching.

#### Advantages

- LOW-ODOR FORMULA.
- 10 MINUTE WORK TIME
- FAST-SETTING.
- NO VOC'S OR SOLVENTS
- BONDS TO DAMP SURFACES

#### Uses

For the setting of injection ports and sealing crack surfaces. POLYBAC #1003 is ideal for use on:

- EPOXY AND URETHANE INJECTION OF CONCRETE
- SEA WALL OR UNDERWATER CONCRETE REPAIR
- AQUARIUM OR POOL REPAIRS
- EMERGENCY REPAIRS OF BROKEN ITEMS

### 4. APPLICATION INSTRUCTIONS

- 1) Clean surface by sandblasting or grinding to provide rough white-metal profile.
- 2) Thoroughly mix equal amounts by volume of Part A Resin with Part B Hardener until streak free. Mix only enough that can be applied in 5 minutes.

- 3) Spread mixed epoxy with trowel or putty knife and worked well into the surface.
- 4) Epoxy may be smoothed with a trowel dipped in a solvent.

Consult Polygem for additional technical instructions for crack repair specifications.

#### Packaging

POLYBAC #1003 is available in 22 ounce dual Cartridges and 2 Gallon or 10 Gallon Kits.

#### Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for min. 12 months.

#### Limitations

- Do not apply over 5/8" thick per layer. Additional thickness can be built up with multiple coats. Allow prior coat to harden and cool to touch before the application of the next layer.
- Not for use on wet or oily surfaces.
- Do not install when surface temperature is below 35°F (7°C) or above 100°F.
- During cool conditions epoxy will cure slower, protect finished work from wear and abrasion 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 #1003 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

Performance Properties  
Test/Test Method Results

Pot Life @ 77°F (100 gms)	8-10 mins.
Tack-Free Time @ 77°F	10 Minutes
Cure Time @ 77°F	20-30 Minutes
Shore D Hardness ASTM D-2240	85-80
Mix ratio by volume	A/B 1:1
Mixed Viscosity	Heavy Paste
Color Mixed	Light Gray
Coverage	12.8 sq. ft. @ 1/8" per gallon

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.

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