

1. PRODUCT NAME

1004 FS

2. MANUFACTURER

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

3. PRODUCT DESCRIPTION

1004 FS is a Low Odor fast setting epoxy paste specially formulated for the sealing of cracked concrete prior to injection with epoxy or urethane resin systems. An easy to mix 1 to 1 by volume ratio and will be ready for injection in as little as 35 minutes. The preferred epoxy for use in occupied areas such as residential or institutional work areas. A thick non-sag paste compound that will allow for vertical and overhead patching.

Advantages

- Meets ASTM C-881 TYPE I, GRADE 3, CLASS A, B, & C
- Low Odor Formula
- Fast Cure
- No VOCs or Solvents
- Bonds to Damp Surfaces

Uses

- Concrete Injection of Epoxy and Urethane
- Aquarium and Pool Repairs
- Anchor and Bolt Setting
- Concrete Patching
- Emergency Mending of Various Items

4. APPLICATION INSTRUCTIONS

1. Clean surface to be sealed by wire scraping, sandblasting or grinding to provide clean surface.
2. Thoroughly mix equal amounts by volume of Part A Resin with Part B Hardener until streak free.
3. Mix only enough that can be applied in 5 minutes.
4. Spread mixed epoxy with trowel or putty knife and worked well into the surface.
5. Epoxy may be smoothed with a trowel dipped in a solvent.

Consult Polygem for additional technical instructions for crack repair specifications.

Packaging

2 Quart, 2 Gal and 10 Gal Kits.

Shelf Life

Unopened containers are guaranteed for 1 year.
Store in temperatures between 60°-80° F.
Storing above 85° will reduce shelf life.
Keep from freezing

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 frozen or oily surfaces.
Do not install when surface temperature is below 40°F or above 90°F.
During cool conditions epoxy will cure slower.

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.
1004 FS 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

Pot Life @ 77°F (100 gm)	5-7 mins.
Tack-Free Time @ 77°F	10 Minutes
Cure Time @ 77°F	30-40 Minutes
Compressive ASTM D-695	8,300 psi (min)
Tensile Strength ASTM D-638	3,100 psi (min)
Elongation ASTM D-638	3% min.
Slant Shear Strength ASTM C-882	100% Concrete Failure
Shore D Hardness ASTM D-2240	85
Mix ratio by volume	1:1 A/B
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.

1004 FS / Rev. 2-16-22

Data sheets are subject to change without notice.