



1002FS™ – Crack Paste | FAST SET, LOW ODOR, EPOXY PASTE & CRACK SEALER

Manufactured by Polygem, 5600 Lower Macungie Rd. | Macungie, PA 18062 | 630-231-5600 | Made in USA

POLYGEM
polygem.com

TB – TECHNICAL BULLETIN

PRODUCT DESCRIPTION

1002FS™ Epoxy Crack Paste is a fast-setting, epoxy paste designed for sealing cracked concrete prior to injection with epoxy or urethane resin systems. With a simple 1A to 1B mix ratio by volume, it is easy to use and will be ready for injection in as little as 30 minutes. 1002FS is ideal for setting injection ports and can also be used for patching concrete prior to top-coating. It bonds strongly to damp surfaces and will cure hard even on cold, wet walls. The thick, non-sag paste formula makes it excellent for vertical and overhead applications.

ADVANTAGES

- **Easy to Mix**
- **Very Fast 4 Min. Work Time**
- **No VOCs or Solvents**
- **Will Bond to Wet Surfaces**
- **30 Minute Full Cure**

RECOMMENDED USES

1002FS Epoxy Crack Paste is used primarily for the setting of injection ports and sealing crack surfaces. It is ideal to use for:

- **Concrete Patching**
- **Sea Wall or Underwater Concrete Repair**
- **Epoxy & Urethane Injection for repairing Concrete**

PACKAGING

Available in a **2 Gallon Kit**, or in a **10 Gallon Kit**

STORAGE & HANDLING

For best results, purchase quantities suited to your project and use material soon after receipt. We recommend to store the material at 72°F (23°C).

LIMITATIONS

DO NOT apply over 5/8 in. (16 mm) 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 (38°C).

During damp and/or cool conditions 1002FS Epoxy Crack

Paste will cure slower. **DO NOT** put into service 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 of protective requirements.

1002FS Crack Paste may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.

For professional use only.

Keep out of reach of children.

SURFACE PREPARATION

Surface must be free of all contaminants before proceeding. Remove all loose or flaking concrete with a wire brush. Dirt, grease and flaking paint must also be removed prior to application. Sandblasting or grinding is recommended.

APPLICATION WEAR GLOVES & EYE PROTECTION

1. Measure & Mix- After pre-mixing Parts A & B, measure out equal parts 1A:1B by volume. Combine and mix material thoroughly until “streak free” and uniform in color. **DO NOT** mix more than can be applied in 4 minutes.

NOTE: 1002FS Epoxy Crack Paste has many uses. How you apply it will depend on your intended use of the material.

2. Crack Sealing- When using as a temporary crack sealer for mounting injection ports, properly mixed 1002FS Epoxy Crack Paste should be applied lightly around the perimeter of the injection ports. The paste should fill the small holes in the base of the port, but not the large central hole which must remain open. Mount ports over the crack & allow them to set for 25 minutes before applying more paste on and around the base of the ports and lightly sealing the crack to be injected. The first port should be placed 6 in. (152 mm) from the floor with a maximum spacing of 12 in. (305 mm) between the ports. The Epoxy Crack Paste should be a minimum of 2 in. (51 mm) wide centered on the crack and applied with a mixing stick or putty knife.

3. Patching & Repair- Apply mixed epoxy evenly over surface to be patched or repaired. Use a trowel or putty knife dipped in water to spread and achieve a smooth surface. More water can be used while spreading as needed. Allow patch to cure the full 25 minutes before sanding or painting.

TECHNICAL DATA

Typical Properties | All Values Measured After 7 Days at 73°F (23°C).

Pot Life: (100 g)	4 min.
Mix Ratio: (By Volume)	1A to 1B
Tack Free Time: (73°F - 23°C - 100 gms)	10 min.
Full Cure Time:	30 min.
Compressive Strength: (ASTM D-695)	11,668 psi
Compressive Modulus: (ASTM D-695)	233 ksi
Tensile Strength: (ASTM D-638)	1,904 psi
Elongation: (ASTM D-695)	0.1%
Flexural Modulus: (ASTM D-790)	646 ksi.
Flexural Strength: (ASTM D-790)	5,430 psi.
Shore D Hardness: (ASTM D-2240)	83 D
Heat Deflection Temp:	124-130°F (52-54°C)
Mixed Viscosity:	Heavy Paste
Mixed Color:	Warm Light Grey (Part A-Cream Part B-Warm Grey)

POLYGEM LIMITED WARRANTY:

Polygem warrants that during the shelf life of the product (as determined from the date of manufacture), the product will conform to the specifications provided in this technical bulletin. **POLYGEM MAKES NO OTHER WARRANTIES, EXPRESSED, IMPLIED, OR STATUTORY, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Neither any performance or other conduct, or any oral or written representation, statement or advice provided by Polygem or any of Polygem's distributors, agents, or employees will create a warranty, or in any way increase the scope or duration of this limited warranty. Polygem will have no warranty obligation if the product becomes defective, in whole or in part, as a result of: (i) the transportation of the product; (ii) any alteration or modification to the product by third parties; or (iii) improper handling or storage of the product (including improper handling or storage by third-party carriers or distributors).

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