

### 1. PRODUCT NAME

POLYJECT #1001

MAXIMUM PENETRATING INJECTION EPOXY

### 2. MANUFACTURER

Polygem, Inc.

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### 3. PRODUCT DESCRIPTION

#1001 is a 100% solids, two-component, moisture insensitive epoxy designed to permanently restore structure and design strength to cracked concrete structures. Unique wetting properties allow maximum penetration of #1001 into cracks above .005". The #1001 can be used on wet or dry surfaces.

#### Outstanding Features

- Meets ASTM C881, Types I, II, IV & V, Grades 1 & 2 Class B & C
- No VOC's or Solvents
- 100% solids
- Chemical and Solvent Resistant
- Restores structural strength
- Excellent Adhesion to concrete, wood, fiberglass and metal surfaces.

#### Uses

For permanently repair and seal cracks in concrete such as:

- Basement foundation crack repair.\*
- Industrial warehouse and residential floors
- Patios and sidewalks
- Balcony, pool and parking decks
- Reservoir, tank and pool leak repair.\*

\*See #1001 SLV recommended concrete crack repair data sheet for additional instructions.

### 4. APPLICATION INSTRUCTIONS

- 1) Mix 2 parts A (Resin) to 1 part B Hardener) by volume. Avoid mixing more than ½ gallon at a time.
- 2) Stir with a mixing stick or slow speed drill with a mixing paddle for 1-2 minutes until streak free and uniform in color. Scrape sides and bottom of mixing pail during mixing and do not over mix more than 3 minutes. Avoid whipping air into mixture.
- 3) Dispense or apply mixed material and use within 15 minutes.
- 4) Follow cartridge dispensing instructions if using single or dual cartridge packaging.
- 5) Clean up any uncured epoxy with #20 solvent.

#### Packaging

#1001 is available in 3, 15, 150 gallon kits and 10 fl. oz. single caulk style cartridges and 16.5 fl. oz. dual cartridge sets.

#### 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 40°F or above 95°F.
- During damp and/or cool conditions epoxy will cure slower and protect finished work from traffic until fully cured.

#### Cautions

- Wear chemical goggles, proper protective clothing and gloves to prevent direct contact of resins. Consult Material Safety Data Sheet for full listing protective requirements.
- #1001 may irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin.
- Keep out of reach of children.

### 5. TECHNICAL DATA

Performance Properties with Test/Test Method Results

Pot Life @ 77°F (100 grams)	30 mins
Work life for entire cartridge @ 77°F	20 mins
Thin Film Set-Time @ 77°F	3-5 hours
Full Cure time @ 77°F	24 hours
Compressive Strength ASTM D-695	14,480 p.s.i.
Tensile Strength	8,315 p.s.i.
Tensile Elongation ASTM D-638	8.9% min
Linear Coefficient of Shrinkage	<0.001
Heat Deflection Temperature	>120°F
Shore D Hardness	80-75
Water Absorption, 24 hours	0.1989%
Mixed Viscosity	LV MV HV
	150 cps 650 cps 7,000 cps
Color Mixed	Amber
Mix Ratio	2:1

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