# POLYJECT#1001 EHV

**MAXIMUM PENETRATING INJECTION EPOXY**

Data Sheet C12

## 1. PRODUCT NAME

POLYJECT #1001 EHV
MAXIMUM PENETRATING INJECTION EPOXY

## 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

#1001 EHV is a 100% solids, two-component, moisture insensitive epoxy designed to fill large cracks in concrete structures. Unique non-sag gel designed for easy mixing and easy injection with dual cartridge delivery.

### Outstanding Features

- Meets ASTM C881, Types I, II, IV and V Grades 3
- Class B & C..
- No VOC's or Solvents
- 100% solids
- Chemical and Solvent Resistant
- 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 EHV 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 EHV 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 EHV 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) | | 40 mins. |
| Thin Film Set-Time @ 77°F | | 5-7 hours |
| Full Cure time @ 77°F | | 36 hours |
| Compressive Strength ASTM D-695 | | 11,450 p.s.i. |
| Tensile Strength | | 4.455 p.s.i. |
| Tensile Elongation ASTM D-638 | | 9.5% min. |
| Linear Coefficient of Shrinkage | | <0.001 |
| Heat Deflection Temperature | | >120°F |
| Shore D Hardness | | 70-65 |
| Water Absorption, 24 hours | | 0.1989% |
| Mixed Viscosity | SLV | non-sag |
| Color Mixed | | Amber |
| Mix Ratio | | 2:1 |