

# POLYJECT#1001 LV

MAXIMUM PENETRATING INJECTION EPOXY

Data Sheet C11

## 1. PRODUCT NAME

POLYJECT #1001 LV  
MAXIMUM PENETRATING INJECTION EPOXY

## 2. MANUFACTURER

Polygem, Inc.  
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## 3. PRODUCT DESCRIPTION

#1001 LV is a 100% solids, two-component, moisture insensitive epoxy designed to penetrate hairline cracks in concrete structures. Unique wetting properties allow maximum penetration of #1001 LV into cracks as small as .005".

### Outstanding Features

- Meets ASTM C881, Types I, II, IV & V Grade 1
- 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 LV 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 LV 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 LV 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)     | 15 mins.      |
| Thin Film Set-Time @ 77°F       | 3 hours       |
| Full Cure time @ 77°F           | 24 hours      |
| Slant Shear ASTM C-882          | 1,200 psi min |
| 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 SLV             | 150 cps       |
| Color Mixed                     | Amber         |
| Mix Ratio                       | 2:1           |
| Packaging:                      |               |

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