



## Low-viscosity injection resin and mortar binder



### Description

A solvent-free, moisture-insensitive, low-viscosity, high-strength, two-component injection resin. It meets ASTM-C-881 Types I, II, IV & V, Grade 1, Classes B & C. It also meets USDA specifications for use in food processing areas.

An excellent epoxy adhesive for use in crack grouting by pressure injection or gravity-feed, and for making epoxy mortars and grouts.

### Usage

- Pressure-injection of cracks in structural concrete, masonry, wood, etc.
- Gravity-feed of cracks in horizontal concrete and masonry
- Epoxy resin binder for epoxy mortar patching and overlay of interior, horizontal surfaces

### Appearance

Component A: Clear

Component B: Amber

Shelf Life: 1 year in original unopened container

Storage Conditions: Store at 40-95°F (5-35°C).

Condition material to 65-85°F (18-29°C) before using

Gel Time (60 g. mass): 30 min. at 73°F ±2° (23°C)

### Coverage

1 gal./3.8 L of mixed epoxy yields 231 cu. in./0.037 cu. m of epoxy.

1 gal./3.8 L of mixed epoxy combined with 5 gal./18.9 L of aggregate yields 808.5 cu. in./0.13 cu. m of mortar.

### Compliances

ASTM-C-881: Types I, II, IV & V, Grade 1, Class B, C  
Meets USDA specifications for use in food processing areas

### Features

- Structurally restores integrity of concrete
- Low viscosity
- Moisture insensitive
- Ideal for adverse conditions

### Application

**TO PRESSURE INJECT CRACKS:** Flushing cracks is detrimental and should not usually be done. Use automatic injection equipment for 2:1 ratio epoxy that will absolutely stay on ratio while under pressure. Carefully set surface or countersink ports on face of crack. Be sure the crack is open where ports are placed and not impacted with debris. Set the ports with PRO-POXY 300, 300 FAST or 300 PASTE, being careful not to obstruct the crack with epoxy. If feasible, also seal the back side of crack with PRO-POXY 300, 300 FAST or 300 PASTE. The PRO-POXY 300, 300 FAST or 300 PASTE is a cap sealing compound when used in this application.

A successful and profitable injection job depends largely on carefully placing the cap seal and ports allowing the injection to proceed smoothly with no leaks. Allow the cap seal to fully cure. Cure time will depend on temperature and which cap sealing compound was used. Inject PRO-POXY 100, always starting at the lowest port. If the back side of the crack has been sealed, stay on a port as long as it is accepting epoxy. Cap adjoining ports as epoxy extrudes out of them staying on the original port until the pump stalls out or the crack is completely filled.

**TO BIND MORTAR AND GROUT FOR PATCHING:** Premix entire unit of A and B or exact portions, 2 parts A to 1

## Packaging

150 ml x 300 ml cartridges  
1 gal./3.8 L units  
3 gal./11.4 L units  
15 gal./56.8 L units  
165 gal./624.6 L units

## Limitations

- Minimum substrate temperature is 40°F (5°C).
- Do not thin. Solvents will prevent proper cure.
- Use oven-dried aggregate only.
- Minimum age of concrete must be 21-28 days, depending on curing and drying conditions, for mortar.
- Do not seal slabs on grade with product. PRO-POXY 100 is a vapor barrier.
- Maximum epoxy mortar thickness is 1.5 in./3.8 cm. per lift.

## First Aid

EYE CONTACT: Flush immediately with water for at least 15 minutes. Contact physician immediately.

RESPIRATORY CONTACT: Remove person to fresh air.

SKIN CONTACT: Remove any contaminated clothing. Remove epoxy immediately with a dry cloth or paper towel. Solvents should not be used as they carry the irritant into the skin. Wash skin thoroughly with soap and water.

CURED EPOXY RESINS ARE INNOCUOUS.

part B by volume, with low speed Jiffy mixer for 3 minutes. Hold back some neat resin for priming patch. Paint concrete to be patched with just enough neat resin to wet out the surface. Slowly add oven-dried aggregate (typically 4-5 parts of aggregate to 1 part epoxy) to the mixed epoxy while mixing with a slow speed Jiffy mixer, being careful not to mix in air. Prepared mortar must be placed before primer becomes tack-free. Epoxy mortar may be placed and leveled with trowels. Do not disturb patch until it is fully cured. Ultra-violet light will darken epoxy. Oven-dried aggregate may be sprinkled to refusal on top of mortar to protect from UV. Brush off excess after epoxy has cured.

TO GRAVITY-FEED CRACKS: Seal underside of slab prior to filling if cracks reflect through. Pour neat PRO-POXY 100 into vee-notched crack. Continue placement until completely filled.

## Cleanup

EQUIPMENT: Uncured material can be removed with Unitex CITRI-CLEAN or other approved solvent. Cured material can only be removed mechanically.

MATERIAL: Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations.

## Cautions

- Component A: Irritant
- Component B: Corrosive
- Product is a strong sensitizer. Use of safety goggles and chemical resistant gloves are recommended.
- Use of a NIOSH/MSHA organic vapor respirator is recommended if ventilation is inadequate.
- Avoid breathing vapors.
- Avoid skin contact.