



PRO-POXY 100

LOW VISCOSITY INJECTION RESIN & MORTAR BINDER

BENEFITS:

- ◆ Structurally Restores Integrity of Concrete
- ◆ Low Viscosity
- ◆ Moisture Insensitive



Adverse conditions?

*Depend on **PRO-POXY 100** to perform when and where you need it.*

PRO-POXY 100

LOW VISCOSITY INJECTION RESIN

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: 2 years 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° ± 2°F (23°C)

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 counter sink 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. 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 whether PRO-POXY 300, 300 FAST, or 300 PASTE 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 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.

PACKAGING

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

COVERAGE

1 gal/3.8 L of mixed epoxy yields 231 cu in / .0037 cu m of epoxy.

1 gal/3.8 L of mixed epoxy combined with 5 gal/18.9L of aggregate yields 808.5 cu in / .013 cu m of mortar.

COMPLIANCES

ASTM-C-881: Types I, II, IV & V
Grade 1
Class A, B, C

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" / 3.8 cm per lift.

CAUTION

- 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.

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.

CLEANUP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state, and federal disposal regulations. Uncured material can be removed with Unitex CITRI-CLEAN or other approved solvent. Cured material can only be removed mechanically.

Disclaimer of Warranties: Neither manufacturer nor seller have any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container that the product comes in. No implied warranties including, but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. Neither manufacturer nor seller assume any liability for personal injury, loss or damage resulting from the use of the product. In the event that the product shall prove defective, buyer's exclusive remedy shall be as follows: Seller or manufacturer shall, upon request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.

Contact UNITEX Technical Services for further information or installation instructions.



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