

UNITEX® CHEMICALS FOR CONCRETE CONSTRUCTION

Multi-purpose, medium-viscosity bonding adhesive



Description

A solvent-free, moisture-insensitive, 100% solids, medium-viscosity, two-component epoxy bonding agent and injection resin. Recommended for structural crack repair for larger cracks: .007-.030 in/.18-.76 mm. Provides corrosion resistance to reinforcing steel and excellent adhesion to concrete.

It meets ASTM-C-881 Types I, II, Grade 2, 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. PRO-POXY 200 is slightly thicker than PRO-POXY 204.

Usage

- Structural bonding of fresh to hardened and old to old concrete
- Structural crack repair for larger cracks, i.e. .007-.030 in/.18-.76 mm
- Structural adhesive for concrete, masonry, metal, wood, etc.
- Vertical anchoring of rebar, dowels and threaded rod

Appearance

Component A: White

Component B: Gray

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 covers approx. 80 sq.

Compliances

ASTM-C-881: Types I & II, Grade 2, Classes B & C
Meets USDA specifications for use in food processing areas

Features

- Super strength
- Moisture insensitive
- Excellent adhesion
- Easy to mix - 1:1 ratio
- Easy to use
- Fast set
- Corrosion inhibiting

Application

SURFACE PREPARATION: Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove surface contaminants i.e. dust, grease, curing compounds, impregnations, waxes, foreign particles and disintegrated materials.

Concrete: Sandblast or use other approved mechanical means.

Steel: Sandblast to white metal finish.

MIXING: Pre-mix each component thoroughly. Place 1 part by volume of component A and 1 part by volume of component B into a clean pail. Mix thoroughly for 3 min. with low-speed drill and Jiffy type mixer (400-600 rpm) until uniformly blended. Mix only the quantity that can be used within its gel time.

TO BOND FRESH CONCRETE TO HARDENED CONCRETE: Apply by brush, roller, broom or spray to cured concrete substrate. Place fresh concrete while PRO-POXY 200 is still tacky. If coat of PRO-POXY 200 loses tackiness before pouring concrete, roughen epoxy surface to create bonding profile. Recoat with additional PRO-POXY 200 and proceed.

ft./7.43 cu. m.

Packaging

- 1 gal./3.8 L units (two .5 gal. cans)
- 2 gal./7.6 L units (two 1- gal. cans)
- 10 gal./37.9 L units (two 5 gal. pails)
- 110 gal./416.4 L units (two 55 gal. drums)

Limitations

- Minimum substrate temperature is 40°F (5°C).
- For best results use between 65° and 85°F (18-29°C).
- Do not thin. Solvents will prevent proper cure.
- PRO-POXY 200 is a vapor barrier after cure.
- Minimum age of concrete must be 5-7 days.

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.

TO BOND OLD TO OLD CONCRETE: Apply the mixed PRO-POXY 200 by brush, roller, broom or spray to the substrate working in for positive adhesion. While coating is tacky, join the coated substrates and secure firmly into place. Glue-line should not exceed 1/8 in./3.2 mm.

TO STRUCTURALLY REPAIR CRACKS BY GRAVITY FEED: If cracks reflect through slab, seal underside of cracks by buttering crack with PRO-POXY 300, PRO-POXY 300 FAST, or PRO-POXY 300 PASTE. Otherwise, pour neat PRO-POXY 200 into vee-notched crack. Continue placement until crack is completely filled.

TO VERTICALLY ANCHOR REBAR, DOWELS, AND THREADED ROD: For efficient transfer of stress, the annular space around bolt should not exceed 1/8 in./3.2 mm. The depth of embedment is typically 9 times the bolt diameter. Grout with neat PRO-POXY 200.

TO PREPARE EPOXY MORTAR: Slowly add 1 1/2 parts by loose volume of an oven-dried aggregate to 1 part of the mixed PRO-POXY 200. Mix until uniform in consistency and color.

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.