

UNITEX[®] PRO-POXY 204

MEDIUM VISCOSITY, MULTI-PURPOSE BONDING ADHESIVE

BENEFITS:

- ◆ Meets ASTM-C-881
Types I, II, IV, & V
for Structural
Repairs
- ◆ Super Strength
- ◆ Moisture
Insensitive
- ◆ Excellent
Adhesion
- ◆ Easy to Mix
1:1 Ratio
- ◆ Easy to Use
- ◆ Fast Set
- ◆ Corrosion
Inhibiting



Specifically formulated for load bearing applications where higher tensile strength is required.

PRO-POXY 204

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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. PRO-POXY 204 meets ASTM-C-881, Types I, II, IV & V, 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 204 is slightly thinner than PRO-POXY 200.

USAGE

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

Appearance: component A—gray
component B—dark amber

Shelf Life: 2 yrs 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

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 (400-600rpm) 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 204 is still tacky. If coat of PRO-POXY 204 loses tackiness before pouring concrete, roughen epoxy surface to create bonding profile. Recoat with additional PRO-POXY 204 and proceed.

TO BOND OLD TO OLD CONCRETE:

Apply the mixed PRO-POXY 204 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 204 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 204.

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 204. Mix until uniform in consistency and color.

PACKAGING

22 oz / 600 ml cartridges
1 gal / 3.8 liter units (2 - .5 gal cans)
2 gal / 7.6 liter units (2 - 1 gal cans)
10 gal / 37.9 liter units (2 - 5 gal pails)
110 gal / 416.4 liter units (2 - 55 gal drums)

COVERAGE

1 gal / 3.8 L of epoxy covers approx. 80 sq ft / 7.43 sq m

COMPLIANCES

ASTM-C-881: Types I, II, IV, & V
Grade 2
Classes 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 5-7 days, depending on curing and drying conditions, for mortar.
- Do not seal exterior slabs on grade with product. PRO-POXY 204 is a vapor barrier.
- Maximum epoxy mortar thickness is 1.5 in / 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

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.

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.



www.unitex-chemicals.com • email: mail.unitex-chemicals.com

3101 Gardner • Kansas City, MO 64120 • 816-231-7700 • 816-483-3149 Fax • 800-821-5846