

ConPoxy 100 Hi-Mod LV Epoxy

ASTM 881 compliant hi-mod, low viscosity epoxy bonding adhesive

DESCRIPTION

ConPoxy 100 is a two component, low viscosity, moisture insensitive, high modulus, structural epoxy bonding adhesive and crack injection resin. ConPoxy 100 is 100% solids, solvent free, low odor, and high strength.

FEATURES/BENEFITS

- Bonding concrete, steel and wood
- Gravity feed or pressure injection crack repairs
- Anchoring bolts, dowels and reinforcing bar
- VOC content = 0 grams per liter

SPECIFICATIONS/COMPLIANCE

ConPoxy 100 meets ASTM C-881, Type I, II, IV, and V Grade I, Classes B & C.

APPLICATION

Mixing Instructions: Air, material, and surface temperatures must be a minimum of 40°F prior to mixing or installation. To assist with mixing and dispensing, pre-condition material to 75°F. For bulk applications, mix two parts of component A and one part of component B by volume for three minutes with a low speed drill motor using a Jiffy mixer or paddle. Mix only as much material as can be used within the pot life. For cartridges, the resin and hardener are uniformly dispensed and mixed simultaneously through a mixing nozzle.

Surface Preparation: Surfaces to be bonded must be clean and structurally sound. Remove all oil, grease, dirt, laitance, curing compounds, and any other foreign matter by sandblasting, mechanical abrasion or oil free compressed air. For pressure injection, prepare the surface adjacent to the cracks to expose clean, sound concrete.

Crack Injection: Injection ports should be fastened to the surface of the concrete using ConPoxy 300 Fast. The injection ports should be spaced approximately 6" to 24" apart depending upon the crack width and the thickness of the concrete.

The surface of the crack should also be sealed using the ConPoxy 300 Fast overlapping the crack approximately 1-1/2" on both sides. After the ports and crack surface have cured, inject ConPoxy 100 with pressurized dispensing equipment or use cartridges.

Bonding: As a structural adhesive, apply the ConPoxy 100 neat and work into the substrate. The glue line should not exceed 1/16". (approx 75 sq-ft per gal)

CLEANING

Tools and Equipment: Uncured material can be removed with a citrus cleaner or other approved solvent. Dispose of in accordance with local, state, and federal disposal regulations. Mechanical removal is necessary for cured material.

PACKAGING

- 1 gallon unit
- 3 gallon unit
- 15 gallon unit
- 15 oz cartridges

STORAGE/SHELF LIFE

Store ConPoxy 100 in its original containers and keep tightly closed. Do not allow the accumulation of water, dirt, or other contaminants. The shelf life of properly stored ConPoxy 100 is two years from

LIMITATIONS/PRECAUTIONS

Always test a small amount of ConPoxy 100 to verify that the product has been thoroughly mixed and will harden properly before proceeding. Do not thin with any solvent. Surface and air temperatures must be a minimum of 40°F for application.

Prolonged or repeated skin or eye contact may cause irritation. Use safety glasses and wear protective rubber gloves. If skin contact occurs, wash immediately with soap and water and seek medical help if needed. If eye contact occurs, flush immediately with water and seek medical help if needed. In case of ingestion, call a physician. Product is a sensitizer. Avoid

breathing vapors.

INDUSTRIAL USE ONLY

Additional precautions, safety and first aid information are contained in the Material Safety Data Sheet.

TYPICAL PROPERTIES

Mix Ratio	2 to 1
Mixed Color:	Gray
Viscosity:	650 CPS
Gel time (ASTM 881):	60 minutes
Tack free time @ 70°F:	3.5 hours

TYPICAL CURED PROPERTIES

Initial Cure	24 hours
Final Cure	7 days
Compressive Strength (ASTM D-695)	12,175 psi
Compressive Modulus (ASTM D-695)	278,500 psi
Bond Strength at 2 days (ASTM 882)	2,350 psi
Bond Strength at 14 days (ASTM 882)	3,150 psi
Elongation (ASTM D-638)	2.1%
Tensile Strength (ASTM D-638)	7,195 psi
Water Absorption (ASTM D-570)	< 0.5%
Heat Deflection (ASTM D-648)	122°F



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WARRANTY

NOTICE-READ CAREFULLY CONDITIONS OF SALE

The manufacturer offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of The manufacturer. No other representative of or for The manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION

The manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, The manufacturer will replace the defective product with new product without charge to the purchaser. The manufacturer makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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