

The Crack-Pac® two-part, high solids, low-viscosity crack injection epoxy is designed to repair cracks in concrete. The mixed adhesive has the viscosity of a light oil and a low surface tension which allows it to penetrate fine to medium width cracks. Resin is contained in the cartridge and hardener is contained in the nozzle. Once the nozzle is threaded onto the cartridge, the hardener is released into the resin-filled cartridge by turning the knob at the base of the nozzle. The two components are mixed by shaking the cartridge.

FEATURES:

- Dispenses with a standard caulking tool, no dedicated dispensing tool needed
- Low viscosity
- Clean and easy mixing; no additional tools required
- Chemically bonds with the concrete to restore strength
- Resistant to oils, salts and mild chemicals
- Non-shrink
- Conforms to of ASTM C-881 Type I & II, Grade 1, Classes B & C

APPLICATION:

Suitable for repair of cracks ranging from 1/64" to 1/4" wide in concrete walls, floors, slabs, columns and beams. Can be used to inject cracks in dry, damp or wet conditions with excellent results. Not for use in actively leaking cracks.

SHELF LIFE:

24 months from date of manufacture, unopened

USAGE TEMPERATURE:

In order for components to mix properly, the resin and hardener must be conditioned to 60°-80°F before mixing.

STORAGE CONDITIONS:

For best results, store between 45°F - 95°F

COLOR:

Resin - blue, hardener - clear, mixed: light amber. The color of epoxy will change from amber to blue during the cure process and then fade back to light amber within a few weeks of installation.

CLEAN UP:

Wipe up with cotton cloths. If desired scrub area with abrasive, waterbased cleaner and flush with water. If approved, solvents such as ketones (MEK, acetone, etc.), laquer thinner, or adhesive remover can be used. DO NOT USE SOLVENTS TO CLEAN ADHESIVE FROM SKIN. Take appropriate precautions when handling flammable solvents. Solvents may damage surfaces to which they are applied. Cured material – Chip or grind off surface.

PROPERTY

TEST METHOD

RESULTS

| | | |
|---------------------------------|-------------|---|
| Viscosity (mixed, 72°F) | ASTM D 2393 | 1,400 cps |
| Bond strength (moist cure) | ASTM C 882 | 2,010 psi (2 days) 3,830 psi (14 days) |
| Water absorption | ASTM D 570 | 0.082% (24 hrs) |
| Tensile strength | ASTM D 638 | 5,860 psi (7 days) |
| Elongation at ultimate | ASTM D 638 | 14.1% |
| Compressive yield strength | ASTM D 695 | 11,270 psi (7 days) |
| Compressive modulus | ASTM D 695 | 318,600 psi |
| Linear coefficient of shrinkage | ASTM D 2566 | 0.002 |
| Gel time (72°F) | ASTM C 881 | 24 hours - 60 g mass |
| Initial cure (72°F) | | 2 hours |
| Mixing ratio | | 8:1 |

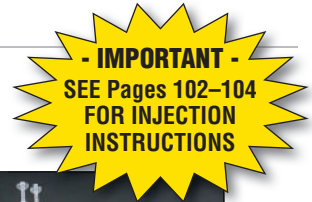
CHEMICAL RESISTANCE:

Very good to excellent against distilled water, inorganic acids and alkalis. Fair to good against organic acids and alkalis, and many organic solvents. Poor against ketones.



Crack-Pac® Injection Epoxy (ETIPAC10)

Dispensing Systems: U.S. Patents 6,737,000 and 6,896,001 B2



Crack-Pac® Kit (ETIPAC10KT)



Crack-Pac® Kit Components

Crack-Pac® injection epoxy is also available in the Crack-Pac Injection Kit. The kit includes everything needed to pressure inject approximately 8 lineal feet of cracks:

- 2 Crack-Pac cartridge/nozzle sets
- 12 E-Z-Click™ injection ports
- 2 E-Z-Click™ injection fittings with 12" tubing
- 1 pint of paste-over epoxy (8 oz. of resin + 8 oz. of hardener)
- 4 disposable wood paste-over applicators
- 1 pair latex gloves
- Installation video

Crack-Pac® Cartridge System

| Model No. | Capacity ounces (cubic inches) | Cartridge Type | Carton Quantity | Dispensing Tool(s) |
|------------|--------------------------------|----------------|-----------------|---------------------------------|
| ETIPAC10 | 9 (16.2) | single | 12 | CDT10 or standard caulking tool |
| ETIPAC10KT | 18 (32.4) | single | 2 (kits) | |

ACCESSORIES:

See page 109 for information on mixing nozzles, parts, fittings and paste over material.



Crack-Pac® injection epoxy using the E-Z-Click Port System