

**Crack-Pac® Injection Epoxy**

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 that enables 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 0.4 mm 6.4 mm 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. Apply to concrete 5°C or above.

**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 16°C – 27°C before mixing.

**STORAGE CONDITIONS:** For best results, store between 7°C – 36°C

**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, 22°C)	ASTM D 2393	1,400 cps
Bond strength (moist cure)	ASTM C 882	13.86 MPa (2 days) 26.41 MPa (14 days)
Water absorption	ASTM D 570	0.082% (24 hrs)
Tensile strength	ASTM D 638	40.40 MPa (7 days)
Elongation at ultimate	ASTM D 638	14.1%
Compressive yield strength	ASTM D 695	77.70 MPa (7 days)
Compressive modulus	ASTM D 695	2,196.67 MPa
Linear coefficient of shrinkage	ASTM D 2566	0.002
Gel time (22°C)	ASTM C 881	2 hours - 60 g mass
Initial cure (22°C)		24 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® Cartridge System**

Model No.	Capacity mL (cc)	Cartridge Type	Carton Quantity	Dispensing Tool(s)
ETIPAC10	266 (266.2)	single	12	CDT10S or standard caulking tool
ETIPAC10KT	532 (532.3)	single	2 (kits)	

**ACCESSORIES:** See page 29 for information on mixing nozzles, parts, fittings and paste-over material.



**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 2.4 meters of cracks:**

- 2 Crack-Pac cartridge/nozzle sets
- 12 E-Z-Click™ injection ports
- 2 E-Z-Click™ injection fittings with 300 mm tubing
- 473 ml of paste-over epoxy (236 ml of resin + 236 ml of hardener)
- 4 disposable wood paste-over applicators
- 1 pair latex gloves
- Installation video



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

**IMPORTANT – See Page 30–31 for Installation Instructions**