



# CE110 INJECTION RESIN

## SUPER LOW VISCOSITY EPOXY INJECTION RESIN

### DESCRIPTION

FasTrac CE110 Injection Resin is two-component, 100% solids, moisture-insensitive, ultra-low viscosity, high strength, high modulus, multi-purpose liquid epoxy adhesive. It meets the current ASTM C881 and AASHTO M235 Types I, II, IV & V Grade 1, Classes B & C specifications.

### USE

Use for pressure-injection of hairline cracks in structural concrete, masonry, wood, etc. Can also be used for delamination injection, wood beam injection, gravity feed of cracks in horizontal concrete and masonry. Useful as an epoxy resin binder for epoxy mortar patching and overlay of interior, horizontal surfaces.

### FEATURES

- Structurally restores integrity of concrete
- Ultra Low Viscosity for deep penetration
- High strength structural adhesive
- Made in America
- Moisture Tolerant
- Solvent Free
- Convenient 2:1 mix ratio by volume
- Healer sealer closes hairline and shrinkage cracks on bridge decks

### PACKAGING AND YIELD

- 1 gal / 3.8 L unit
- 3 gal / 11.4 L unit
- 15 gal / 56.8 L unit
- 165 gal / 624.6 L unit
- 450 ml cartridge

One gallon (3.8 L) yields 231 cu. in. / 0.0037 cu. m of epoxy

### PHYSICAL PROPERTIES

Shelf Life: 2 years in original unopened container  
Storage Conditions: 40°F-95°F (5°C-5°C)  
Conditioning: 65°F-85°F (18°C-29°C)  
Mix Ratio: 2:1 by volume  
Viscosity: approximately 100 cP  
Gel Time (60g): 45 minutes  
Tack Free Time: (73°F/23°C): 3-5 hours  
Tensile Strength: 10,000 psi (67.0 MPa)  
Tensile Elongation: 1.2%  
Bond Strength (2 day): 2,100 psi (14.5 MPa)  
Bond Strength (14 day): 2,200 psi (15.2 MPa)  
Compressive Strength (7 day): 10,500 psi (72.4 MPa)  
Compressive Modulus: 300,000 psi (2,070 MPa)  
Shear Strength: 6,000 psi (41.4 MPa)  
Flexural Strength: 9,000 psi (62.0 MPa)  
Shrinkage: 0.001 in/in/deg. F  
Thermal Compatibility: Pass  
Heat Deflection Temperature: 123°F (50°C)  
Absorption (24 hr): 0.3%

### APPLICATION

**MIXING:** Mix only the amount of material that can be used within its pot life. Proportion each component carefully into a clean pail. Mix thoroughly for 3 minutes with a Jiffy mixer on low speed (400-600 rpm). Scrape the sides and bottom of the container. To prepare an epoxy patching mortar, slowly add 4-5 parts of oven-dried silica sand to 1 part of mixed epoxy by volume. Mix only until all aggregate is wetted out.

**TO PRESSURE INJECT CRACKS:** Can be dispensed with automatic injection equipment.

**TO GRAVITY FEED CRACKS:** Seal underside if cracks reflect through. Pour mixed epoxy into cracks. Repeat until completely filled.

**TO PATCH AND GROUT:** Prime substrate with neat mixed epoxy. Place epoxy mortar using trowels before primer becomes tack-free.

### LIMITATIONS

Minimum substrate temperature is 40°F (5°C). Do not thin. Solvents will prevent proper cure.

### CLEAN UP

Collect with absorbent material. Flush area with water. Dispose of in accordance with local, state and federal disposal regulations. Uncured material can be removed with Natural Clean or other approved solvent. Cured material can only be removed mechanically.

### LIMITED WARRANTY

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