

FasTrac® CE110

Low Viscosity Injection Adhesive Resin

Description

FasTrac CE110 Injection Resin is a 100% solids, low viscosity injection adhesive for pressure injection or gravity feed repair of fine and hairline cracks. FasTrac CE110 Injection Resin meets the requirements of ASTM C 881 and AASHTO M 235 Types I, II, IV and V, Grade 1 Classes B and C. FasTrac CE110 Injection Resin may be used for concrete, masonry, and wood substrates.

Uses

- Pressure Injection of Fine Cracks
- Gravity Feed of Fine Cracks
- Injection for Delamination Applications
- Structural Bonding
- Dry or Damp Applications

Features & Benefits

- Very Low Viscosity
- High Bond Strengths
- Gravity Feed or Pressure Injectable
- High Tensile Strengths
- Moisture Tolerant

Physical Properties

Physical Properties at 23.80°C	
TEST METHOD	RESULTS
Viscosity	100 cps
ASTM D695 Compressive Strength (7 Days)	72.4 MPa
ASTM D695 Compressive Modulus (7 Days)	2069 MPa
ASTM C882 Slant Shear Bond (2 Days)	14.5 MPa
ASTM C882 Slant Shear Bond (14 Days)	15.2 MPa
ASTM D638 Tensile Strength	68.9 MPa
ASTM D638 Tensile Elongation	1.2%
ASTM D790 Flexural Strength	62.1 MPa
ASTM D732 Shear Strength	41.4 MPa
ASTM C884 Thermal Compatibility	PASS
ASTM D648 Heat Deflection Temperature	50.5°C



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Application Guidelines

SURFACE PREPARATION

Cracks to be injected should be blown free of dust, debris and moisture using oil free compressed air. For pressure injection applications, set injection ports on 8 inch centers. Apply rapid setting non sag epoxy on bottom of ports, taking care not to obstruct bottom opening of port. Center and set ports on crack. Apply Fastrac CE308 as cap seal across and along crack. Cap seal should extend ½ to ¾ inch on either side of crack. Allow Fastrac CE308 to cure sufficiently before injecting. Connect epoxy injection equipment / cartridge to port to ensure proper fit up. For horizontal gravity feed applications, lay a bead of caulk along and around crack to create a reservoir for adhesive to pool in after crack has been blown out with oil free compressed air.

MIXING & INSTALLATION

Best mixing and use is achieved when FasTrac CE110 Injection Resin is between 65°F and 85°F (18.3°C and 29.4°C). Mix ratio for FasTrac CE110 Injection Resin is 2:1. Pour all of Component A and all of Component B into separate mixing containers. Scrape sides of both component containers to ensure minimal hold back and correct mix ratio. Mix with slow speed drill and paddle for approximately 2 to 3 minutes. Do not whip air into liquids. Transfer mixed adhesive to injection equipment and use immediately after mixing. For pressure injection, begin injection at one end of crack and move to adjacent port once adhesive is seen at adjacent port. Cap entry port and move to next port and continue injecting. For horizontal gravity feed applications, pour adhesive over crack starting at one end and move down crack length. Allow crack to fill and add additional adhesive as required until crack no longer accepts adhesive. Grind off excess adhesive after cure.

CURING

FasTrac CE110 Injection Resin is self-curing. Do not add solvents during cure. Protect from rain and freezing temperatures until design strengths are achieved. Best property development occurs when temperatures are between 21°C and 32°C.

CLEAN UP

All surfaces, tools and equipment may be cleaned with water and detergent prior to adhesive setting.

Packaging

- 450 ml cartridge, 2.84 litres, 5.7 litres, 11.4 litres, 56.8 litres and 624.5 litre units.

Shelf Life & Storage

2 years from date of manufacture when stored in dry weatherproof conditions.

Storage Temperatures: 10°C to 32°C.



EDITION: 00126INF

Technical Data Sheet

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Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained, experienced and competent in the use of epoxy grouting products. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the suitability of the product for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.

