

CRESINJECT EI is a two component epoxy injection resin with low viscous properties. It is highly penetrative and cures to form a rigid seal against cracks and joints in concrete.

USES

- Suitable for repairing the various types of concrete cracks and holes upto 10 mm.
- Wide range of application includes, basement, beams, floor, columns and tunnels.
- Gravity feed of cracks in horizontal concrete and masonry.
- Use to restore and seal horizontal concrete slabs and to improve their wearability.

ADVANTAGES

- Excellent Bond Strength.
- Has a low viscosity and will penetrate deeply into very narrow cracks and cavities.
- Negative side application possible.
- It offers high structural and compressive strength.
- Easy to handle.

SURFACE PREPARATION

All contact surfaces must be free from oil, grease, free standing water or any loose adherent material. A light grind of the surface adjacent to the crack will help remove any contamination and assist adhesion of the surface seal. All dust must be removed. Running water must be stopped by using suitable material like **CRESPLUG HB**, a quick setting water plug mortar.

MIXING

It is essential that the mixing instructions are carefully followed to ensure the correct characteristics of the product are achieved. Failure to do so can result in lower performance or even possible failure of the product.



TECHNICAL PROPERTIES

Description	Value	Standard
Appearance	Liquid Coaing	-
Color	Amber	-
Specific gravity @25 °C	1.06(±0.02)	ASTM D1475
Pot Life @25 °C,mins	90	ASTM D2471
Initial Cure @ 25 °C,hrs	2 to 3	-
Compressive Strength, @ 7days, N/mm ²	>70	ASTM C579
Viscosity, mPa.s @25°C	370	ASTM D2196

All values given are subject to 5-10% tolerance

For preparation of product, properly stir each component A & B separately before mixing together. Pour component B (hardener) into component A (resin) and mix carefully with electric mixer at low number of turns till obtaining a homogeneous mix. It is always recommended to mix a complete kit at a time.

Over mixing must be avoided to minimize air entrainment. Once mixed, the material must be used within its pot life.

APPLICATION

CRESINJECT EI should be applied with standard injecting equipment having closed containers. The Injection Pressure should be at least 3 bar. Use injecting packers which must be inserted into pre-drilled holes along the length of the crack. The distance between packers depends on the crack's width and depth.

After fixing packers use epoxy mortar to seal between packers to allow the resin to penetrate from one point to the next.

For crack injection, it is recommended to assign the job to an injection specialist. In case of partial mixing, maintain the proportions in volume. For horizontal cracks pour the product directly. For ceiling and cracks bonding apply the product using a roller or brush.

STORAGE

CRESINJECT EI should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

PACKING

CRESINJECT EI is supplied in two packs of 5 and 10 litre kit.

Component A – Resin

Component B - Hardener

RECOMMENDATION

- **CRESINJECT EI** should not be used to fill moving cracks.
- It should not be used if there is running water pressure, stop the running water by suitable material before the product is applied.

CLEANING

Tools and equipment's should be cleaned using appropriate solvent immediately after use. Hardened material should be removed mechanically.

HEALTH AND SAFETY

Always use protective clothing, eye goggles and hand gloves when handling this product. Avoid contact with skin or eyes. If spilled on the skin, wash immediately with soap and plenty of water. Accidental splashes on the eyes should be immediately clean with fresh water and medical attention sought.

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.