



CONSOL EPOXY INJECTION

Low Viscosity Epoxy Resin Injection

DESCRIPTION

CONSOL EPOXY INJECTION is a solvent-free, 2-component super low viscosity-liquid, based on high strength epoxy resins. After mixing, it is injected into cavities and cracks in concrete where it cures to a rigid high strength material.

RECOMMENDED FOR

CONSOL EPOXY INJECTION is used to fill and seal cavities and crack in structural concrete such as columns, beams, foundations, decks, and water-retaining structures. It not only forms an effective barrier against water infiltration, but also bonds the concrete sections, together, thereby restoring original structural strengths.

BENEFITS

CONSOL EPOXY INJECTION is a deeply penetrative with high adhesive qualities. Other benefits are:

- Solvent - free
- Suitable in both, dry and damp conditions
- Useable at low temperatures
- High mechanical and adhesive strength
- Hard, but not brittle
- No Shrinkage

PRODUCT DATA

Coverage

Theoretical yield is 9.25 litres/ 10 kg

Colour

Yellowish/ transparent

Packaging

10 kg set

Storage Conditions

+5 °C to +35 °C

Shelf Life

12 months when unopened and stored correctly

TECHNICAL DATA

Density

~1.1 kg/litre

Viscosity

290 c. poise at 20 °C

130 c. poise at 30 °C

Pot Life (measured on 1 kg set)

Temp °C	Time
40	15 min
30	30 min
20	60 min

Ultimate Compressive Strength

> 50 N/mm²

Ultimate Flexural Strength

> 45 N/mm²

Tensile Strength

20 N/mm²

Bond Strength

To Concrete @ 2 days > 7.0 N/mm²
@ 14 days > 14.1 N/mm²

INSTRUCTION FOR USE

Instruction

There are various application methods with different equipment required, depending on the nature of the work to be carried out.

Notes on Application/limits

Maximum width of crack to be injected: 5 mm

Minimum age of new concrete: 3-6 weeks

Minimum temperature of concrete to be injected +10 °C

