

TECHNICAL DATA SHEET

EPOBOND IJ

Low Viscosity Structural Epoxy Resin for Crack Injection Repairs

PRODUCT DESCRIPTION:

EPOBOND IJ, a general purpose epoxy injection resin is a 2-component solvent-free, non-pigmented epoxy resin compound with low viscosity.

CUSTOMER BENEFITS

- Low viscosity
- Economical
- Resistant to wide range of chemicals
- Virtually impermeable therefore protecting the concrete against carbonation
- High compressive and tensile strength
- High slant shear bond strength

AREAS OF APPLICATION

- structural repair of cracked concrete by injection
- repair and filling of small hairline cracks in reinforced concrete structures
- primer for solvent-free coating and topping systems
- Sealer for cement-based surface

INSTRUCTIONS FOR USE

Surface Preparation

The substrate to be treated must be sound, dry and free from any contaminants which may prevent good adhesions.

If necessary, the surface should be prepared by mechanical means.

Mixing

Pour the entire contents of the hardener (part B) into the resin (part A) and mixed the two materials thoroughly until homogenous.

Pressure Injection

- Blow compressed air along the crack lines to completely clean, dry and remove dirt and other loose contaminating materials.
- Provide temporary seal on crack surface except entry and exit ports.
- Inject **EPOBOND IJ** until the voids are completely filled.

Cleaning of Tools

Tools and equipment should be cleaned with EPOXY REDUCER immediately after use.

PHYSICAL PROPERTIES

| | |
|--------------------------------|--|
| Mix Ratio | mix 2 parts of A (base) to 1 part of B (hardener) |
| Pot life | 1 - 2 hours at 25 °C |
| Tack-free time | 4 hours at 25 °C |
| Full cure time | 24 hours fully cured, 72 hours load pressure |
| Shrinkage | negligible |
| Shelf life | minimum of 2 years under normal temperature |
| Compressive Strength(ASTM D69) | |
| 1 day | 3,000 - 4,000 psi |
| 7 days | 8,000 -10,000 psi |
| 28 days | 10,000 - 12,000 psi |
| Tensile Strength | 5,000 - 6,000psi (ASTM D 638) |
| Flexural Strength | 4,500 psi failure in concrete (ASTM D2240) |
| Chemical Resistance | resistant to most organic solvents, mild acids and alkalis |

PACKAGING

EPOBOND IJ is available in 3.0 kgs kit.

STORAGE

EPOBOND IJ has a shelf life of 24 months minimum if maintained in dry storage conditions in unopened containers.

HEALTH AND SAFETY

Wear rubber or plastic gloves to avoid contact with skin and avoid breathing its vapor. This product may cause severe skin irritation after prolonged or repeated exposure. Keep containers tightly closed and store in cool dry place.

FIRE

EPOBOND IJ is flammable.

The information contained in this leaflet is published to the best of our knowledge and is supported by current available data. Hence, subject to the care and method of application, deviations (from published values) in performance may occur. Our guarantee is therefore limited to the quantity of the supplied material.