

Comtech Bond EP2

High strength Epoxy injection resin for structural concrete repairs.

Description:

Comtech Bond EP2 is a two component Epoxy injection resin with low viscosity properties; it could be injected deeply into concrete joint, hair line cracks and fissures.

- High structural strength
- Inert after curing, constant volume, no shrinkage.
- Tolerate unavoidable debris
- Easy to handle
- Tolerant to mixing variations and field conditions.

Typical properties:

Colour : Amber.

Density: 1.02g/cm³

Viscosity : 200Mpa.S @ 25°C

Pot life : 50 Min @ 25°C

Initial cure : 5hrs @ 25°C

Bond strength : Greater than the cohesive strength of concrete.

Primary uses:

The major use of Comtech Bond EP2 is to achieve structural strength for repairing of various types of concrete cracks. It can be used to fill and bond hair and wide joint cracks providing very high bond and compressive strength, and can restore cracked concrete to a complete monolithic piece.

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Low pressure systems commonly utilize surface packers.

High pressure injection is characterized by the use of mechanical packers.

Direction of use:

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The low pressure injection method is more popular in epoxy resin injection and usually achieves good results.

The steps of using Comtech Bond EP2 is same as detailed in the data sheet of Comtech Seal PU1, taking in consideration the possibility of using surface packers or mechanical packers as mentioned above.

1. Clean surfaces
2. Drill injection holes
3. Insert injection packers or fixing surface packers using epoxy putty.
5. Injection using single-component grouting equipment.
6. Cleanup

Advantages:

- Negative side application possible.
- Deep penetration into very small cracks
- Medium or short gel time.
- Non toxic when used in drinking water tanks.

Packaging and storage:

Comtech Bond EP2 is supplied in 4 Ltr special made iron pail; All Comtech product should be stored in a dry shaded area, protected from breakage, deterioration and contamination.

The shelf life is up to 12 months in unopened condition and if stored as per recommendation.

Health and safety:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuff. Treat splash with water to eyes and skin immediately if accidentally ingested.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate. We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.



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