

## BONDIT GROUTINJECT EP

*(Two component high strength, low viscosity epoxy injection grout)*

### PRODUCT DESCRIPTION

Bondit Groutinject EP is a two-component solvent free epoxy grout designed for injecting in cracks with very low viscous epoxy liquid. It is supplied as a two-component consisting of base and hardener, to be mixed in correct proportions. It is applicable to wide range of heavy-duty areas.

### FEATURES & BENEFITS

- Deep penetration due to its low viscosity
- Shrink free
- Superb bonding to concrete surface
- Chemical resistant
- Applicable to damp surface
- Cost effective as high strength can be achieved much faster thereby allowing the commencement of sites.
- Highly durable due to its high compressive, flexural and tensile strength.

### AREA OF APPLICATION

- Repair of cracks on floors, walls, tanks and sea walls.
- Repair of honey combing areas.
- Industrial areas like in refineries, chemical plants, electroplating and steelworks.
- Underplate grouting
- Very high strength structures
- Base plate grouting to bear heavy loads like turbines.

### STANDARD COMPLIANCE

BS 6319, ASTM C 881

### APPLICATION INSTRUCTIONS

#### Surface preparation

- Surface should be cleaned with wire brush followed by vacuum cleaning to make it free of dirt, cement, laitance, mould oil etc.
- Get rid of gravel pockets, ridges. Defective joints and cracks should be chased out. Clean the cracks by blowing oil free air to completely get rid of dust and loose particles.

#### Nozzles Placements

- Drill holes larger than packer size and depth at least 1/3 of structural thickness.



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- Place the injection port along the crack length. The distance between the nipples is decided on the basis of width and depth of the cracks. Spacing should be such that the epoxy liquid can easily penetrates along the cracks and reach the next injection joint.
- For fixing the nipples to cracked surface use Bondit Groutinject EP.
- In case of injection packer, fix the packer tightly to the drilled hole.
- For complete filling the cracks and adjoining areas with grout always start fixing the nozzle in the front portion of the cracks followed by fixing the nozzles in the midway of the front nozzles.
- Cracks that start on one side of the wall and ends on the other side should be sealed from both side in a similar pattern.
- Lowest nipple on vertical cracks or either side of horizontal cracks should be fixed to one end of the injection hose. Alternatively, injection nipples can be fixed to the concrete substrate using Bondit Groutinject EP.
- Injection grouting should be cured for atleast 10 hrs at 30°C.

### Mixing

Pour the entire content of hardener to the epoxy resin and mix thoroughly until the liquids becomes clear.

### How to apply

- Standard injection equipment should be used for applying Bondit Groutinject EP.
- Mix only sufficient resin and hardener that can be consumed within its pot life.
- Continuous flow of grout is essential.
- To avoid the air entrapment pouring should be done from one side of the void.
- Maintain the hydrostatic head throughout the flow to achieve continuous grout front.
- After completing the injection work, the injected area should be allowed to cure for 24 hours and left undisturbed.

### Cleaning

The tools should be immediately cleaned with Bondit Solvent.

### Points to note

- At elevated temperature, resin and hardener packing should be stored in a cool dry environment away from direct sunlight.
- Place the mixing equipment in a cool place under shade protection

### TECHNICAL DATA

Property	Test Standard	Typical Values
Pot Life, minutes		90
Specific gravity @27°C, kg/cm <sup>3</sup>		1.07
Initial Setting, hrs		3
Compressive Strength, N/mm <sup>2</sup> 7 days	BS:6319: part 2	>85
Flexural Strength, N/mm <sup>2</sup>	BS:6319: part 3	>60



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# GROUTS

Tensile strength, N/mm <sup>2</sup>	BS 6319: part 7	>20
Mix Ratio, by wt.		2:1

## PACKING SIZE

1.5 kg, 3 Kg

## SHELF LIFE & STORAGE

12 months. Should be stored in cool and dry area in an unopened packaging at ambient temperature.

It should be kept away from direct sunlight under normal temperature.

## HEALTH AND SAFETY

Avoid contact with skin. Protective gloves, safety shoes, safety goggles and clothing are recommended when using this product. Avoid contact with skin and eyes. In case of accidental contact with eyes, wash with plenty of water and seek medical treatment immediately. Please refer to full MSDS (material safety datasheet) for this product, which is available from Bondit upon request.

## TECHNICAL SERVICE

Technical information and guidance regarding BONDIT range of admixtures, repairs and bonding, waterproofing systems, epoxy industrial flooring systems etc, will be available from the technical services department, BONDIT CONSTRUCTION CHEMICAL PVT LTD.

## Important note

BONDIT products undergo high standard quality checks and every reasonable precaution is taken in the manufacture of all products. BONDIT continuously strive to ensure the products, recommendations, specifications & information given is reliable, correct and accurate. No specific guarantee can be assured as product performance depends not only on quality but also on many other factors which are not under our control. The customer should make his own trials to determine the compatibility of the product for his own purpose. All products are sold subject to our standard terms and conditions of sale.



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