

## PROXON EP INJECT

**PROXON EP INJECT** is a high-performance, two-component epoxy grout for sealing concrete cracks, restoring strength, and ensuring lasting durability.



### What

**PROXON EP INJECT** is a high-performance, solvent-free, two-component epoxy grout for sealing concrete cracks and voids, offering excellent bond strength, deep penetration, and long-term durability in structural repair applications.

### Why?

- Deep crack penetration
- High structural strength
- Solvent-free formulation
- Non-shrink stability
- Low viscosity flow
- Versatile application orientation

### Usage

Ideal for repairing fine cracks and voids in concrete and masonry, and is widely used in bridges, dams, industrial floors, and high-rise buildings for strengthening beams, slabs, columns, and other structural components.

### How to use?

- Clean crack surface
- Prepare injection ports
- Mix components thoroughly
- Inject under pressure
- Avoid moisture exposure
- Clean tools immediately

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## Application

**Surface Preparation:**

Ensure the surface is clean and free from dust, debris, and contaminants. Use compressed air to clean cracks. For wider cracks, install suitable injection ports at intervals.

**Mixing:**

Measure required amounts of PROXON EP INJECT (Part A and B). Ensure both are at room temperature. Mix Part A and Part B thoroughly using a paddle or drill attachment, scraping the container sides during mixing. Mix for 2 minutes until a uniform color is achieved.

**Application:**

Inject the mixed material using pressure injection equipment. Start from the lowest port and move upwards to ensure complete void filling. After curing, remove injection ports and finish the surface as needed.

**Note:**

PROXON EP INJECT is temperature- and

moisture-sensitive. Avoid application below 10°C or in wet environments.

**Cleaning:**

Clean tools immediately after use with suitable solvent. Hardened material must be removed mechanically.

## Packing

6 Kg pack which includes 3 Kg Resin and 3 Kg Hardener.

## Shelf life

Store in a cool, dry place away from sunlight and heat. Keep sealed when not in use. Shelf life is 12 months. Keep away from children. Stir well before use and follow application guidelines.

## Safety Measures

Contains no hazardous substances, but standard safety precautions apply. Reseal containers after use and treat any splashes immediately with water. Always wear suitable protective gear during handling.

## Physical Properties

Type	Epoxy
Solvent type	Solvent free
Appearance / Colour	Part A - Resin: Transparent / Clear Part B - Hardener : Brown Mixed colour : Brown
Viscosity (ASTM D 2393)	120 +/- 10 seconds by ford cup B4

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Mix ratio	1:1 (part A : part B)
Density of mix (Resin : Hardener – 1:1 ratio)	1.04 gm / cc
Solid content by volume (ASTM D 2697)	≥91 %
VOC content (ASTM D 2369 81)	< 10 g/l
Pot life (ASTM D 2471)	20 minutes
Drying time @ 25°C (ASTM D 1640) Hard dry   Final cure	12 hours   7 days
Compressive strength (ASTM D 695)	60 mPa
Tensile strength (ASTM D 638)	20 mPa
Bond strength (ASTM C 882)	>5 mPa
Shrinkage (ASTM D 2566)	0 %

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