

## PROXON PU INJECT

**PROXON PU INJECT** is a one-component, solvent-free PU injection system for sealing cracks and voids in wet or damp structures.



### What

**PROXON PU INJECT** is a single-component, solvent-free polyurethane injection system used to seal and fill joints, cracks, and voids in civil structures under moisture or water-bearing conditions, ensuring durable and watertight repairs.

### Why?

- Stops water leakage
- Environment friendly system
- Suitable potable tanks
- Stabilizes loose cracks
- Seals diaphragm walls
- Injection from underside

### Usage

**PROXON PU INJECT** seals and stabilizes cracks in rock and concrete. Ideal for tunnels, basements, sheet pilings, diaphragm walls, and water-bearing structures under groundwater conditions, effectively stopping leakages and seepage.

### How to use?

- Assess crack condition
- Place injection packers
- Use suitable pump
- Adjust injection rate
- Reacts with water
- Forms rigid foam

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## Application

**Surface Preparation:**

Based on the condition of cracks and joints (assessed through technical inspection), install appropriate injection packers as per specifications.

**Injection:**

**PROXON PU INJECT** should be applied using a suitable injection pump capable of delivering adequate pressure. The injection rate, dilution, and working pressure will depend on the specific site conditions such as crack width and voids. Once injected, when **PROXON PU INJECT** comes into contact with water, it undergoes a chemical reaction and expands into a rigid, closed-cell polyurethane foam. This foam effectively seals and stabilizes the area, making it ideal for repairing and water-proofing joints, cracks, and cavities under

active water flow or damp conditions.

## Storage

12 months when stored in sealed containers under normal, dry conditions away from direct sunlight, heat, and moisture. Proper storage ensures product stability and performance throughout its intended shelf life.

## Packing

5, 10 & 20 Kg.

## Safety Measures

**PROXON PU INJECT** may irritate skin or eyes. Use protective gear. In case of contact, rinse with water and seek medical help. Clean tools with thinner and ensure proper ventilation in enclosed spaces.

## Physical Properties

Density	1.13±0.01 at 20°C
Viscosity	250 cPa.s @ 25°C
Tensile Strength	>2 MPa
Pot life	6-8 hours
Reaction time	40-60 sec (Note: The reaction time depends on the temperature of the substrate and the temperature of the product)

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