

## PROXON EP BOND

**PROXON EP Bond** is a non-shrink epoxy adhesive for bonding new to old concrete, suitable for damp, internal and external areas.



### What

**PROXON EP Bond** is a high-performance epoxy adhesive for bonding new to old concrete. Ideal for internal/external use, it resists shrinkage and can be applied on slightly damp surfaces without affecting performance.

### Why?

- High bond strength
- Non-shrink, solvent-free
- Moisture tolerant application
- Abrasion resistance increased
- Multipurpose, economical use
- Suitable hot climates

### Usage

Suitable for tile fixing, external rendering, waterproofing, bonding concrete, bricks, ceramics & slabs. Ideal for concrete repairs, abrasion-resistant linings, pile cap protection & marine/offshore structures. Ensures strong adhesion in varied applications.

### How to use?

- Clean sound surface
- Remove loose particles
- Saturated surface dry
- Abrade glass surface
- Mix parts thoroughly
- Apply immediately after

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## Application

### Surface Preparation:

Ensure concrete surfaces are clean, sound, and free from oil, grease, cement laitance, paint, bitumen, or loose particles. Surface must be in saturated surface dry (SSD) condition. Glass surfaces should be abraded to provide mechanical keying. Chip off degraded or weak concrete to reach a sound substrate. Newly poured concrete must be adequately cured to minimize shrinkage and moisture movement.

### Mixing:

Add Part B hardener into Part A resin and mix thoroughly for about 3 minutes until uniform in color and texture. Do not dilute or thin **PROXON EP BOND**. Always mix full units. Scrape the sides & base of the container during mixing to ensure consistency.

### Application:

Apply **PROXON EP BOND** evenly using a short-haired brush or trowel. Immediately place concrete, screed, or repair mortar onto the wet bonding layer to ensure good adhesion & prevent surface contamination.

### Cleaning:

Clean tools with solvent immediately; remove hardened material mechanically.

## Coverage

**PROXON EP BOND** covers approximately 3 to 5 Sqm per liter, depending on surface texture, porosity & application method. Ensure even application for optimal performance & bonding efficiency across prepared concrete surfaces.

## Packing

1L and 5L packs.

## Shelf life

Can be stored up to 12 months in sealed containers at 18–28°C in a cool, dry place.

## Safety Measures

Contains no hazardous substances but requires standard precautions. Wear gloves, goggles, and protective gear while handling. In case of contact or ingestion, rinse with water and seek medical help. Refer MSDS for details.

## Physical Properties

|                      |   |
|----------------------|---|
| Appearance           | off White liquid  |
| Standards            | ASTM C881 type I, II, III, V and VI grade 3, class D, E & F |
| Density@25°C         | 1.30g/cc  |
| Bond strength        | >30N/mm <sup>2</sup> (ASTM C882)                            |
| Compressive strength | >50N/mm <sup>2</sup>  |
| Tensile strength     | >18N/mm <sup>2</sup>  |

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|                  |                                 |
|------------------|---------------------------------|
| Water absorption | <0.04% (ASTM D570)              |
| Pot life         | @25°C - 2hours   @40°C - 1 hour |
| Tack free time   | @25°C - 9hours   @40°C - 5hours |
| Chloride content | NII                             |
| Curing time      | 7 days for full cure            |

MANUFACTURING & MARKETING BY:  
PROXON PRIVATE LIMITED

Corporate Office : #2/3, Sakthi Nagar Main Road, Arumbakkam,  
Chennai-600 106, TamilNadu, India | MOB : +91 89259 62014

Website : [www.proxon.in](http://www.proxon.in) | [info@proxon.in](mailto:info@proxon.in)



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