

## TRI- BOND POXY

Epoxy resin concrete bonding agent



### Description

**Tri-Bond Poxy** is based on solvent-free epoxy resins containing pigments and fine fillers. It is supplied as a two-component material in pre-weighed quantities ready for on-site mixing and use.

### Uses

**Tri-Bond Poxy** For bonding fresh wet cementitious materials to existing cementitious surfaces. for use on horizontal surfaces or on vertical surfaces where mortar or concrete can be supported by form work. The long open life makes it suitable for use with form work or where additional Steel reinforcement has to be fitted. The product is ideal for roads, bridges, Pavements, loading bays and factories, and for bonded or granolithic floor toppings.

**Tri-Bond Poxy** is equally suited to internal and external applications.

**Tri-Bond Poxy** may also be used as part of a repair system where A substrate/repair barrier is required or where the substrate is likely To remain permanently damp or wet.

### Advantages

- Can be applied on to dry or damp substrates.
- Exhibits high mechanical strength.
- Positive adhesion - exceeds that of the tensile strength of the host concrete.
- Slow cure allows time to erect steel reinforcement and form work.
- Solvent-free - can be used in enclosed locations.

### Technical Data @°25c

DISCRETIONS	VALUE
Color	Light Green
Density	1.36 ± 0.05 kg / L
Compressive strength (ASTM D 695)	70 N/mm <sup>2</sup>
Tensile strength (ASTM D 638)	36 N/mm <sup>2</sup>
Elongation (ASTM D 638)	31 %
Thermal compatibility (ASTM C884) (ASTM C884)	Passed
Mixing ratio	3 A : 1 B
Bond strength (ASTM C882)	12 N/mm <sup>2</sup>
Water Absorption ASTM D 570	0.05 %
Gel Time	At least 4 hours @ 20 C - 5 days @ 35 c
Full cure	7 days @ 45 C

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#### Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14  
 Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597  
 Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com

www.trichem-eg.com

## **TRI- BOND POXY**

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#### **Directions for use**

##### **Surface preparation**

Clean all surfaces and remove any dust, unsound material, plaster, oil, paint, Grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance and expose the aggregate by light scabbing or grit-blasting. Oil and grease deposits should be removed by steam cleaning, Detergent scrubbing or the use of a proprietary degrease. The effectiveness of decontamination and soundness of the substrate should then be assessed by a pull-off test.

##### **Mixing**

Any steel reinforcement and formwork should be prepared, cut to size and Shape, and made ready for assembly before mixing commences. Care should be taken to ensure **Tri-Bond Poxy** is thoroughly mixed. The part A and part B components should be stirred separately before Mixing to disperse any settlement. The entire contents of the part B tin should then be poured into the part A tin And the two materials thoroughly mixed using a suitable slow-speed drill and Mixing paddle for 2 minutes until a fully uniform colour is obtained. The sides of the tin should then be scraped and mixing should continue For a further 2 minutes.

##### **Application**

**Tri-Bond Poxy** should be applied as soon as the mixing process has been Completed. It should be brush or spray-applied to the prepared surfaces, being sure To achieve an unbroken coating across the entire substrate. The coated substrate should be left for a minimum of one hour before The new concrete, screed or mortar is placed.

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#### **Cleaning**

**Tri-Bond Poxy** should be removed from tools, equipment and mixers with tri Solvent or thinner immediately after use.

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#### **Package**

Available in 2.5 - 5 kg packs

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#### **Storage**

Should be store in original closed container, avoid the direct sun light, mousers. The storage temperatures (10 – 30) C° t.

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#### **Shelf life**

Has a shelf life of 24 month stored in dry and cool place

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## **TRI- BOND POXY**

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#### **Health and safety**

Should not come in contact with skin or eyes, or be swallowed.

Ensure adequate ventilation and avoid inhalation of vapours.

Some people are sensitive to resins and solvents.

Wear suitable protective clothing, gloves and eye protection.

If working in confined areas, suitable respiratory protective equipment

Must be used. The use of barrier creams provide additional skin

Protection. In case of contact with skin, remove immediately with resin

Removing cream followed by washing with soap and water.

Do not use solvent.

In case of contact with eyes, rinse immediately with plenty of clean water

And seek medical advice. If swallowed, seek medical attention immediately

Do not induce vomiting.



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