

TM BOND[®] EP

Epoxy Resin Based Concrete Bonding Agent



TM-BOND[®] EP is a two component solvent free epoxy bonding agent supplied in pre-weighed quantities for ready on-site mixing and use.

Uses

Bonding old and new cementitious substrates.

Benefits

- Can be applied on horizontal, vertical and overhead areas.
- Can be applied on concrete & mortar substrates.
- Good positive adhesion. Bond strengths exceeds the tensile strength of M30 concrete.
- Acts as a barrier coat for chloride ions.
- Large overlay time for placing concrete.

Technical Support

The company provides a technical advisory service supported by a team of specialists in the field.

Properties

Mixed Density	1.30-1.60 gm/cc
Open Time	6-8 hours (Subject to ambient temperature)
Pot Life	Up to 180 mins @ 35°C
Full Hardness	24 hrs.
Full Cure	7 days
Overlay Time	6 hrs. @ 30°C
Compressive Strength (BS 6319 Part 2)	40 N/mm ² at 7 days
Tensile Strength (BS 6319 Part 7)	15 N/mm ² @ 7 days
Flexural Strength (BS 6319 Part 3)	25 N/mm ² @ 7 days
Bond Strength (ASTM C 881)	11 N/mm ² @ 7 days
Below 20°C, above mentioned times will in crease.	

Instructions for Use

Preparation

All surfaces to be treated must be sound, dust-free and clean. All laitance should be removed by wire-brushing or any other suitable means. Surfaces contaminated with oil or grease, must be cleaned thoroughly to remove such contaminants.

Mixing

The entire contents of the hardener can should be poured into the resin container and the two materials thoroughly mixed until a uniform colour is obtained. The mixing time is approximately around 3 minutes. To facilitate application at temperatures below 10°C the separate components should be warmed in hot water to a maximum of 25°C before mixing.

Coating

Mixed TM-BOND[®] EP should be brush applied to the prepared substrate. The new concrete should be placed within 6-8 hours (subject to ambient temperature), to the TM-BOND[®] EP coated substrate, when it is still in a tacky state.

Cleaning

Tools and equipment shall be cleaned thoroughly after use with Cleaning Solution.

Health & Safety Instructions

Contact with skin and eyes should be avoided. Gloves should be used when handling these products. If contact with the resin occurs, skin should be washed immediately with strong detergent. A resin removing cream should be used. Eye contamination must be immediately washed with sufficient quantity of water and medical treatment sought.

Fire

TM-BOND[®] EP is inflammable. No naked flame should be allowed near the site. Do not smoke during use.

Storage

12 months shelf life when stored under normal wear house conditions below 35°C in unopened containers.

Packing

TM-BOND[®] EP is available in 500 ml, 1 litre and 4 litre packs.

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Coverage

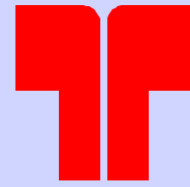
Actual coverage will depend upon the texture and porosity of the substrates being applied. Typically, 1 Litre pack will cover about 2.0-2.5 m² and 4 litre pack around 8.0-10.0m².

Other Segments:

- Concrete Admixtures • Surface Treatments • Grouts & Anchors • Repair & Rehabilitation
- Protective Coatings • Industrial Flooring • Waterproofing • Sealants • Adhesives

Disclaimer: The information contained in this document is true and accurate to the best of our knowledge and is based on our experience & test results. It is always the Company's endeavor to give true and accurate information however as it does not have any direct and/or continuing control on the use of the Products, the Company cannot accept any liability, direct or indirect as a consequence of the use of Products. In the event of any doubt upon any critical parameter it is advisable to seek clarification from our technical representative.

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