

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 :	1.45 - 1.5 kg/liter
Pot life :	Min. 120 minutes @ 35°C
Full hardness :	24 hrs.
Full Cure :	7 days
Overlay time :	6 hrs. @ 30°C
Compressive Strength : @ 7 days(BS 6319 Part 2)	40 N/mm ²
Tensile Strength@ 7 Days : BS6319 Part 7)	15 N/mm ²
Flexural Strength @ 7 days BS 6319 Part 3)	25 N/mm ²
Bond strength @ 7 days (ASTM C 881)	11 N/mm ²
Below 20°C, above mentioned times will increase.	

Instructions for use

Preparation

All surfaces to be treated must be sound, dust-free and clean. All laitence 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 3 hours at 35°C 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

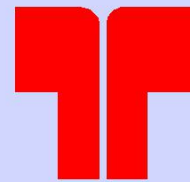
12 months shelf life when stored under normal wear house conditions below 35°C in unopened containers.

Packing

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

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



THERMAX

Thermax Limited
Environment House, Plot No.90-92
BG Block, MIDC, Bhosari,
Pune 411 026, India.
Tel: +91-20-67156152,
67156000
Fax: +91-20-27120206
Customer Care: 18002090115 (India toll
free) Email :
chemicals@thermaxindia.com

Ahmedabad

Tel: +91-79-26575408 • Fax: +91-79-65577270

Bengaluru

Tel: +91-80-22371721 • Fax: +91-80-22371726

Chennai

Tel: +91-44-24303400 • Fax: +91-44-24353841

Delhi

Tel: +91-11- 46087200 • Fax: +91-11- 26145311

Hyderabad

Tel: +91-40-23253700 • Fax: +91-40-23253799

Kolkata

Tel: +91-33-66070800 • Fax: +91-33-66070999

Mumbai

Tel: +91-22-67542222 • Fax: +91-22-22040859

Thermax World-wide

UK, USA, UAE, Germany, Belgium, Denmark, Russia,
Saudi Arabia, Thailand, Malaysia, Bangladesh,
Sri Lanka, China, Philippines, Peru, Chile, Kenya,
Nigeria, Brazil, Indonesia

Website: www.thermaxindia.com

Thermax Business Portfolio

Chemicals

Absorption Cooling

Air Pollution Control

Boilers & Heaters

Power

Water & Waste Solutions

Solar

Other segments :

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

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.

We reserve the right to amend any product details without notice. Copyright© Thermax Limited Edition: (TCC/TDS/0815)
