

MIXBOND EBA

Epoxy bonding agent / primer

Mixbond EBA is a high performance epoxy bonding agent / adhesive for new concrete / render to old concrete, repair system, both internal and external use. This bonding compound does not shrink and can be applied on slightly damp areas as well.

Appropriation

Tile fixing glazed tile and bricks
For external rendering and water proofing works
Bonding concrete, bricks, copings, ceramic tiles and slabs
For general concrete repair / screeds / pile cap protection
Bonding new concrete to existing concrete
Off shore marine and marine structures

Characteristics

High bond strengths and tenacious adhesive properties
Non-shrink and solvent free
Moisture tolerant: can be applied slightly damp surface
Increased abrasion resistance
Suitable for hot climatic conditions
Multipurpose application, economical, easy to use
Improved strength and flexibility
Generally good chemical resistance
Resistant to chemical attack
Non-corrosive
High durability and mechanical strength
Prevent chloride migration from the old concrete
Compatibility: All types of Portland cement

Technical Data & Properties

Appearance: off White liquid
Standards: ASTM C881 type I, II, III, V and VI grade 3, class D, E & F
Density@25^oc: 1.30g/cc
Bond strength: >30N/mm² (ASTM C882)
Compressive strength: >50N/mm²
Tensile strength: >18 N/mm²
Water absorption: <0.04% (ASTM D570)
Pot life
 @25^oc – 2hours
 @40^oc – 1hour
Tack free time
 @25^oc – 9hours
 @40^oc – 5hours
Chloride content: Nil
Curing time: 7 days for full cure

Product Management

Surface preparation: Concrete surface should be clean, sound and free from oil, grease, and cement laitance, curing compound paint or Bitumen and all loose particles. The surface should be in a saturated surface dry condition. Glass surface shall be abraded to get a mechanical key. If the concrete surface is not suitable or disintegrated badly, chip off the degraded areas until a sound surface is obtained.

New concrete should be cured until the shrinkage and moisture movement is low.

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Mixing: Pour Part B hardener into Part A resin and mix thoroughly for 3 minutes to get a homogeneous mix with uniform colour and consistency. Do not dilute or thin Mixbond EBA. Only mix complete units at a time. During mixing scrap down the sides of the tin to ensure complete

Application method: Mixbond EBA may be applied evenly with a short haired brush or with a trowel. Place the screed / concrete or repair mortar immediately after application of Mixbond EBA to avoid contamination.

Coverage: 3 - 5m² / ltr

Cleaning: All tools shall be cleaned with xylene or any other solvent immediately after use. Hardened materials can be removed mechanically only.

Packing & Storage

Up to 12 months in manufacturer's sealed containers stored in a cool (preferably at 18 to 28 °C) and dry place Available in 1litres and 5 litres container. Reseal the container after use and ensure product is stored as instructed on the label

Health & Safety

Mixbond EBA contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each product

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THE CONSTRUCTION CHEMIST

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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