

# MIXBOND EBA

Epoxy bonding agent



the construction chemist...

## Introduction

**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  
Abrasion resistant linings  
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 and Properties

Standard Complies	ASTM C881 type I, II, III, V and VI grade 3, class D, E & F
Appearance	Off White liquid
Density@25°C	1.30g/cc
Bond strength	>30N/mm <sup>2</sup> (ASTM C882)
Compressive strength	>50N/mm <sup>2</sup>
Tensile strength	>18 N/mm <sup>2</sup>
Water absorption	<0.04% (ASTM D570)
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.

**Mixing:** Pour Part B hardener into Part A resin and mix thoroughly for 3 minutes to get a homogeneous mix with uniform color 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



MANUFACTURED BY  
PYCHEM CO. L.L.C.  
P.O. Box : 7496, T : +971 6 7672151, F : +971 6 7672161, U.A.Q - U.A.E.  
E : INFO@PYCHEM-CC.COM , PYCHEMCO@GMAIL.COM WWW.PYCHEM-CC.COM

# MIXBOND EBA

Epoxy bonding agent



the construction chemist...

**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.

## Packing & Storage

Coverage: 3 - 5m<sup>2</sup> / ltr

Mixtile RM is

**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 PyChem product



Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hand-on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of 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 and porosity of substrate may impinge on values



MANUFACTURED BY  
PYCHEM CO. L.L.C.  
P.O. Box : 7496, T : +971 6 7672151, F : +971 6 7672161, U.A.Q - U.A.E.  
E: INFO@PYCHEM-CC.COM , PYCHEMCO@GMAIL.COM WWW.PYCHEM-CC.COM