

Megabond

STRUCTURAL ADHESIVE FOR TILING

Description

MEGABOND is a high strength, two-component, 100% solids epoxy adhesive. Megabond is creamy white in colour, easy to mix and spreads readily with a notched trowel. Megabond is suitable for bonding stone and tile to all masonry surfaces including cement sheet, cement render, plasterboard, timber, and is suitable for both interior and exterior applications.

Megabond will not stain light coloured marbles and bonds water sensitive and composite stone. Megabond can be coloured to suit using Megapoxy Coloured Pigment Pastes. Megabond has high shock and chemical resistance.

Typical Uses

Used for bonding:

- ⊕ Pre-cast concrete
- ⊕ Natural stone
- ⊕ Bricks and ceramics
- ⊕ Metals
- ⊕ Fibrous cement sheets
- ⊕ Composite stone
- ⊕ Polyester backed tiles
- ⊕ Marble and granite
- ⊕ Fibreglass articles
- ⊕ Concrete floors, stairs, columns
- ⊕ Timber
- ⊕ In-situ formed concrete

Features

- ⊕ Simple 1:1 mix ratio
- ⊕ Creamy texture, blends easily
- ⊕ Spreads easily with notched trowel
- ⊕ Rapid setting
- ⊕ Good strength retention after prolonged immersion in water
- ⊕ Tensile and compressive strength superior to concrete
- ⊕ Outstanding chemical resistance

Packaging

Available in two sizes;
4 Litres (2 Litres Part A and 2 Litres Part B)
20 Litres (10 Litres Part A and 10 Litres Part B).

Application Notes - General

Surface Preparation - Metals

Should be grit blasted to clean surface. Mechanically abraded and degreased. N.B. Wire brushing is not sufficient to ensure adequate adhesion.

Surface Preparation - Concrete

Must be free from grease and oil. If necessary, clean with industrial grade degreasing agent. Once clean, steps must be taken to remove laitance- this is best achieved using mechanical abrasion or acid etching.

Surface Preparation - Timber

Ensure timber is dry (moisture content must be no higher than 8%). Remove all paint, varnish, filler, dust and then sand thoroughly.

Application Notes

It is essential that the correct mixing ratio is used, and that the two components are thoroughly combined. Inaccuracies and poor mixing will result in lower physical properties of the cured system, and if the error is sufficiently large, the system will not cure and discolour on ageing.

Cure Time

Work time at 25°C: 45 minutes
Minimum cure time: 12 days at 25°C
Full cure time: 4 days at 25°C

Cured Properties

Density: 1.3kg per litre
Shear by tension ASTM D1002: 12 – 15 MPa
Compressive Strength ASTM D695: 60 MPa
Bond Strength to concrete: 2.7MPa (concrete failure)
Coefficient of linear expansion: $60\text{mm/mm/}^{\circ}\text{C} \times 10^{-6}$

Storage

Megabond has a shelf life of one year (unopened).

Safety Precautions

Confined areas should be well ventilated and do not smoke or allow naked flames during use. We

recommend the use of gloves and a suitable barrier cream.

Refer to Material Safety Data Sheets for further information.

NOTE

As conditions may vary considerably in consuming industries, buyers and users must assess this product's performance for their own requirements.

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