

## Megabond

### STRUCTURAL ADHESIVE FOR TILING

#### Description

Megabond is a high strength two component 100% solids epoxy adhesive. Megabond epoxy adhesive is creamy white in colour, easy to mix and spreads readily with a notched trowel. Megabond epoxy adhesive 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 epoxy adhesive will not stain light coloured marbles and bonds water sensitive and composite stone. Megabond epoxy adhesive can be coloured to suit using Megapoxy coloured pigment pastes. Megabond epoxy adhesive has high shock and chemical resistance.

#### Typical Uses

. Can be used for bonding:

- ⊕ Pre-cast concrete
- ⊕ Natural stone
- ⊕ Bricks and ceramics
- ⊕ Metals
- ⊕ Fibrous cement sheet
- ⊕ Composite stone
- ⊕ Polyester backed tiles
- ⊕ Marble and Granite
- ⊕ Fibreglass articles
- ⊕ Concrete floors, stairs and columns
- ⊕ Timber
- ⊕ Insitu formed concrete

#### Features

- ⊕ Simple 1:1 mix ratio by volume
- ⊕ 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 litres, 4 litres and 20 litres.

#### Technical Data

**Mixing Ratio:** 1:1 by Volume or Weight

*Note:* It is essential that the correct mixing ratio be used and that the two parts are thoroughly mixed together before use. Inaccuracies and poor mixing will result in lower physical properties of the cured system and, if the error is sufficiently large, the system may not cure satisfactorily and discolour on ageing.

**Mixing:** Mix until uniform white (3-4 minutes)

**Work time at 25°C:** 45 minutes

**Minimum application temperature:** 10°C

**Minimum cure time:** 12 hours at 25°C

**Full cure time:** 4 days at 25°C

**Coverage:** 1 litre per square metre, 6mm x 6mm notched trowel

#### Application Notes - General

##### Surface Preparation - Metal

Should be grit blasted to clean surface. Mechanically abraded and degreased. Wire brushing is not entirely satisfactory and gives minimum adhesion only.

##### 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 done by using mechanical abrasion or acid etching.

##### Surface Preparation - Timber

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

*Note:* For painted surfaces, a proprietary brand paint stripper should be used.

##### Clean up

Uncured epoxy can be removed with soapy water or Megapoxy Thinners.

#### Typical 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: 2.7 MPa (concrete failure)  
Coefficient of linear expansion: 60 mm/mm/°C x 10<sup>-6</sup>

Properly mixed and cured Megabond will not stain or discolour white or light coloured marble and ceramics.

## Storage

Megabond WB has a shelf life of two years (unopened) in a cool, dry environment.

## Safety Precautions

Avoid contact with uncured product at all times. Use protective equipment, including safety glasses and apply a barrier cream to skin areas that could be exposed.

Refer to the Material Safety Data Sheet 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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