

# MEGABOND

## STRUCTURAL EPOXY ADHESIVE

### 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.

### BONDING

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

### ADVANTAGES

- 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

### PRODUCT SPECIFICATION

	PART "A"	PART "B"
<b>CONSISTENCY:</b>	Thixotropic paste	Thixotropic paste
<b>COLOUR:</b>	White	Natural

### SURFACE PREPARATION

#### METALS

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

#### 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.

#### TIMBER

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



### PAINTED SURFACES

#### METALS

A proprietary brand paint stripper should be used.

#### CONCRETE

The surface may be either flame cleaned or mechanically abraded.

### TECHNICAL DATA

Mixing Ratio	1:1 by volume or weight
Mixing	Mix until uniform white (3-4 minutes)
Working life 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 m <sup>2</sup> , 6 mm x 6mm notched trowel

### IMPORTANT INFORMATION

It is essential that the correct mixing ratio be used and that the Part "A" and Part "B" 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.

### CURED PROPERTIES (TYPICAL)

Density	1.3 kg 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.

### AVAILABILITY

MEGABOND epoxy adhesive is available in 4 litre & 20 litre kits. Shelf life of unopened kits is 2 years minimum. Product should be stored in a cool dry environment.

### CLEANING

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

### PRECAUTIONS

Avoid prolonged contact with skin. Wash affected areas with soap and warm water. For further information refer to our material safety data sheets.

