

Megapoxy HELLAS[®]

Technical Bulletin

MEGAPOXY MEGABOND TILE ADHESIVE

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Structural epoxy adhesive for tiling



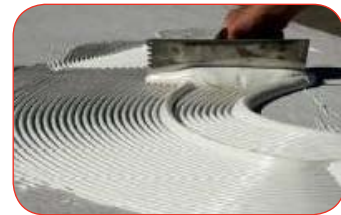
Summary

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
- Brick and ceramics
- Metal
- Fibrous cement sheet
- Composite stone
- Polyester backed tiles
- Marble & granite
- Fibreglass articles
- Concrete doors, stairs, columns
- Timber
- In-situ 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
Consistency	Thixotropic paste	Thixotropic paste
Colour	White	Natural
Flash point	>100°C	>100°C

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.

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Surface preparation (continued)	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 <ul style="list-style-type: none">- Metals- A proprietary brand paint stripper should be used- Concrete- The surface may be either flame cleaned or mechanically abraded.
Technical data	Mixing proportions by volume <ul style="list-style-type: none">- Part A: 1 part- Part B: 1 part Mixing: Mix until uniform white Working life: 45 minutes at 25°C Minimum cure time: 12 hours at 25°C Full cure time: 4 days at 25°C Coverage: 1 litre m ² , 6 mm x 6 mm notched trowel
Important information	It is essential that the correct mixing ratio be used and that 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 per litre: 1.6 kg Shear by tension ASTM D1002: 12-15 MPa Compressive strength ASTM D695: 60 MPa Coefficient of linear expansion: 60 mm/mm/°C x 10 ⁻⁶ 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.
Technical service	All purchasers of MEGAPOXY products are invited to avail themselves of our technical service on epoxy base materials. The methods and systems outlined in this bulletin are the best available at the present time, however continual research and development is being carried out and could result in change without prior notice.

Please do not hesitate to contact us, for any additional information.