

RESIN RENOVATION

For technical support on Resin Renovation Products. Tel: 01992 71 71 77

"BRIC'BOND"

THE PURPOSE MADE EASY TO USE BRICKWORK REPAIR SYSTEM

DESCRIPTION

"Bric'Bond" is a unique, self contained, easy to use brickwork repair system. Designed for the repair of all cracks from hairline up to approximately 35mm. Developed over a number of years by a structural repair contracting company "Bric'Bond" is an extremely fast and cost effective way of carrying out repairs.

USES

"Bric'Bond" was specifically developed for the repair of brickwork and blockwork structures. It is also well suited for the installation of resin anchors and dowel bars, wall tie replacement and the installation of lateral restraints.

"Bric'Bond" is also suitable for creating load bearing pads etc.

ADVANTAGES

NON SLUMP FORMULA

Allows wide cracks to be repaired easily

SELF CONTAINED KIT

Exact measures in each kit ensure correct mixing every time, providing consistent high strength bonding

EASY TO USE

Allowing major repairs to be carried out by non specialist workmen

PRODUCT DATA

Each kit contains.

1 ltr capacity cartridge/mixing vessel containing formulated Thixotropic epoxy resin base

1 bottle containing exact quantity of hardener

1 bag of formulated fillers

1 injection nozzle

1 pair of protective gloves

1 extension tube

Full instructions for use

APPLICATION

Yield : 1 Ltr

Coverage: Approximately 2.5 linear meters per kit

Colour: Neutral cream

Pot life: Working time once mixed 45 minutes

Application temperature: 4oC to 35oC

TYPICAL TEST RESULTS AT 20oC

Compressive Strength 70.0 N/mm² at 7 days to BS6319, pt 2

Flexural strength 18 N/mm²

Tensile strength 24 N/mm²

Bond strength (elcometer pull off) to 30 N concrete 2.1 N/mm² (failure in concrete substrate)

To Standard house brick 0.9 N/mm² (Failure in substrate)

Modulus of Elasticity 3500 N/mm²

Taint "Bric'Bond" is completely solvent free and therefore low odour.

Chemical resistance "Bric'Bond" exhibits excellent resistance against inorganic acids, organic acids and most other commonly encountered industrial chemicals

METHOD OF USE

Mixing

Do not mix until ready to use (read on)

Remove the cap from the cartridge/mixing vessel (A) and wearing the gloves provided, pour total contents of hardener (plastic bottle) (B) into mixing vessel

Using a slow speed drill and mixer paddle (available from "Bric'Bond" stockists) mix parts A & B for about 1 minute or until a smooth texture and even colour is achieved

Add total contents of filler bag to mixing vessel and continue mixing for a further two minutes until an even colour creamy consistency is obtained

Replace cap and use point of nozzle to pierce aluminium foil

Cut nozzle to required width. Fix nozzle to cartridge

Insert cartridge into skeleton gun (available from "Bric'Bond" stockists)

Once mixed "Bric'Bond" should be used within 45 minutes

REPAIR OF CRACKS IN MORTAR JOINTS

Rout or drill out the cracked mortar joint to about 3/4 of the depth of the brickwork to ensure a good brick to brick bond

Remove all dust from the work area by vacuum and using the tubing provided.

Mix as above and inject "Bric'Bond" into the prepared crack leaving space at the front for re-pointing.

For best results pointing should be carried out immediately using cement dyes to achieve a good match with the existing surround.

REPAIRS OF CRACKS RUNNING THROUGH BRICKS OR BLOCKS

Using a hammer drill, drill 13mm holes at 20mm centres along the length of the crack and 3/4 of the depth

Vacuum each hole clean to remove dust

Mix "Bric'Bond" as above and inject into each hole leaving 15 mm at the front for refacing of the bricks. (For walls thicker than 4.5" use the extension tube provided)

For best results reface the bricks immediately using cement dyes to match facework to the existing surround.

DEEP CRACKS OR HOLES

When repairing deep cracks and holes it will be necessary to use the extension tube provided, To do this simply place the extension tube into the injection nozzle, hold up to the light and mark off about 5 mm in front of the extension tube. Cut the nozzle at the marked point and force the extension tube up through the nozzle. Cut the extension tube to the required length before starting to inject.

DOWEL FIXING

"Bric'Bond" is ideal for fixing dowels and anchors, as a general rule the hole size should be 5 to 10 mm larger than the largest dimension of the fixing.

Holes should be drilled with the percussion equipment. Diamond drilled holes should have the inner surfaces scarified prior to application.

Vacuum clean the hole free of dust

Using extension tubing fill the hole from its base until approximately half full

Insert the fixing by applying a firm constant pressure. The injected resin should ideally spill out of the hole as the fixing reaches its base.

CLEANING OF TOOLS

The cleaning of tools should be carried out immediately following completion of works for the best results use an epoxy resin thinners.

STORAGE

"Bric'Bond" should be stored in a cool dry area. Keep away from frost moisture and direct sunlight. Shelf life 12 months.

PACKAGING

Each "Bric'Bond" kit contains 1 Ltr of thixotropic epoxy resin

HANDLING \ HEALTH & SAFETY

"Bric'Bond" contains Liquid epoxy resin and polyamine hardener.

Flammable flash point 103oC

Irritating to eyes, skin and respiratory system. Wear gloves and eye/face protection.

HARMFUL IF TAKEN INTERNALLY

Always wash hands thoroughly with soap and warm water after use.

For more information refer to health and safety sheet.

For further technical information or application advise please contact Resin Renovation, Renovation House, PO Box 251, Waltham Abbey. EN9 2ZE

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Information in this literature is supplied in good faith & without guarantee. Customers must satisfy themselves that the product is suitable for the purpose for which they intend it to be used.