



SEALOCRETE PLA LTD Greenfield Lane
Rochdale OL11 2LD Tel: 01706 352255, Fax 01706 860880

CI/SfB

TECHNICAL DATA SHEET TDS107
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PLUSBOND 25

PRODUCT DESCRIPTION

PLUSBOND 25 is a unique, self contained, easy to use repair kit, especially designed for the repair of cracks up to 35mm wide in brickwork, blockwork and other structures.

USES

PLUSBOND 25 is ideally suited for structural crack repairs, for the bonding of dowel bars and reinforcing bars in cross-stitching, underpinning, wall stabilisation and general repair work. PLUSBOND 25 can also be used for wall tie replacement work. The product is specially formulated to provide non sag properties to allow the repair of cracks up to 35mm wide.

BENEFITS

SELF CONTAINED KIT

All materials supplied as a ready to use kit

EASY TO USE

Allows structural repair of brickwork and blockwork by non specialist contractors and builders.

FACTORY WEIGHED COMPONENTS

Provides consistent, quality assured, high strength structural bonding.

THIXOTROPIC FORMULATION

Allows cracks up to 35mm to be repaired with minimal wastage due to drop out.

Each PLUSBOND 25 kit comprises:

- Large capacity cartridge/mixing vessel containing **1 Litre** of a specially formulated thixotropic injection resin.
- Correctly proportioned solvent free epoxy resin and hardener components.
- Injection nozzle
- Extension Tubing
- Pair of gloves.
- Detailed application instructions.

TECHNICAL DATA

Compressive Strength BS 6319 Pt 2 @ 7 days	70 N/mm ²
Flexural Strength	18 N/mm ²
Tensile Strength	24 N/mm ²
Bond Strengths: 30N concrete	2.1N/mm ²
Standard house brick	0.9 N/mm ²
Modulus of Elasticity	3500 N/mm ²
Pot Life in Cartridge	45 minutes @ 20°C
Application Temperature	4°C to 35°C

PLUSBOND 25 exhibits excellent resistance against a range of commonly encountered industrial chemicals. (For further details refer to Sealocrete Technical Department)

COVERAGE/USAGE

Each kit will repair approximately 1.6m of typical brickwork mortar joint.

COLOUR

Neutral cream only

METHOD OF USE

MIXING

Remove the loose fitting piston from the white cartridge, stand upright and pour the contents of the plastic bottle into the cartridge.

Place the cartridge into the large plastic bag and using a drill and small paddle (available from Sealocrete), mix the two components for about 1 minute.

Slowly add the entire contents of the powder filler bag to the mixed resin and continue mixing for a further 2 minutes or until an even, cream coloured consistency is obtained.

Replace the piston, pierce the foil seal then cut the nozzle to the required length and fix it to the cartridge.

Insert the cartridge into the Plusbond 25 cartridge gun.

CRACK REPAIR INSTRUCTIONS

REPAIR OF CRACKS IN MORTAR JOINTS OF BRICKWORK OR BLOCKWORK

Rout or drill out the cracked mortar joint into approximately $\frac{3}{4}$ of the depth of the brickwork.

Vacuum clean or air jet the inner surfaces of the brickwork using an extension tube to remove dust. Adhesion of the grout to bricks or blocks will be reduced by the presence of dust.

Using the Plusbond 25 cartridge gun (available from Sealcrete stockists), inject the mixed PLUSBOND 25 THIXOTROPIC RESIN INJECTION GROUT into the hole leaving a 10mm gap at the surface.

Re-pointing may be carried out immediately using sand/cement mortar and SEALOTONE POWDER to achieve a colour matched mortar to complete a permanent structural, yet invisible repair of brickwork or blockwork.

REPAIR OF CRACKS RUNNING THROUGH BRICKS OR BLOCKS

Drill 13mm holes at 20mm centres along the length of the crack, using a hammer drill and air jet or vacuum clean.

Holding the injection nozzle tight to the surface, inject PLUSBOND 25 RESIN INJECTION GROUT to fill the hole leaving a 10mm recess at the surface.

Re-pointing may be carried out immediately using sand/cement mortar and SEALOTONE POWDER to achieve a colour matched mortar to complete a permanent structural, yet invisible repair of brickwork or blockwork.

USE OF PLUSBOND 25 FOR DEEP CRACKS OR HOLES

When PLUSBOND 25 is being used in either double skinned brick walls or for grouting dowel bars or

anchor bars in deep holes it is necessary to use the injection tubing.

Cut tubing to the correct length, insert through the plastic nozzle supplied with the kit and then attach to the cartridge in the normal way.

Insert the tubing to the base of the hole, then commence injecting the grout while slowly withdrawing the tube. This will ensure that the hole/void is completely filled with grout and avoids air entrapment.

When fixing dowels or anchor bars it is only necessary to half fill the hole. When they are inserted with a rotating action, grout will be displaced to fill the hole and ensure a full bond to the dowel/anchor and brick/block. It may be necessary to support such fixings until the grout has cured sufficiently to hold their weight.

CLEANING

All tools can be cleaned with SEALOCRETE THINNERS No. 3 after use.

HANDLING

PLUSBOND 25 contains epoxy resin and polyamine hardener. When used as described these do not present any significant health hazard providing note is taken of the advice provided on the packaging. Please refer to the relevant Health & Safety data sheet for detailed information.

For further information or assistance please call our technical department.

We endeavour to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, we have no control over the circumstances in which our product is used and it is therefore important that the end user satisfy himself by prior testing that the product is suitable for his specific application and that the actual conditions of use are suitable. Accordingly, no responsibility can be accepted, or any warranty given by ourselves, our representatives, agents or distributors, other than that the product as supplied by us will meet our written specification. Products are sold subject to our standard conditions of sale and each purchaser and end user should at all times ensure that he has consulted our latest product instructions and safety information.

