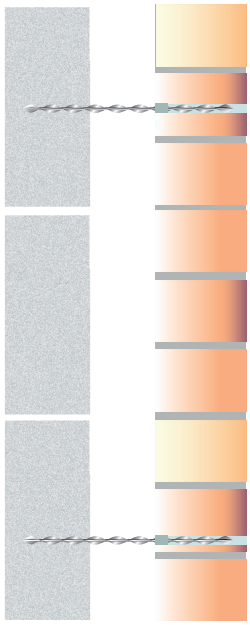
SWM22

StrucSol
Building Repair Solutions

RECONNECTING NEAR LEAF BRICK TO AIRCRETE / AERATED CONCRETE USING MECHANICAL / RESIN WALL TIES



Method Statement:

1. Mark the points for Mechanical / Resin Wall Tie insertion on the face of the near leaf brickwork.
2. Drill a 12mm clearance hole through the near leaf, about half way up the brick and around 15mm from the end to avoid frogs and core holes.
3. Load the Mechanical / Resin Wall Tie into the support tool, insert through the near leaf and drive home into the far leaf material.
4. Security of fixing in the far leaf can be tested with a StrucSol Load Test Unit.
5. Inject StrucSol resin until the hole is filled. Allow to cure, (after the resin has fully hardened).
6. Make good all the holes at the surface using StrucSol TE resin or StrucSol Crack Filler and leave ready for decoration. To achieve a near perfect look, use StrucSol Stain Colour Matching mortar.
7. Clean the tools and brickwork with a suitable polyester resin cleaner.

- *Making good the holes may be carried out as soon as is convenient after the StrucSol Resin has started to gel.*

Recommended Tooling

- For drilling clearance and pilot hole: Rotary percussion 3-jaw chuck drill.
- For drilling pilot hole: Drill extension piece.
- For installing Mechanical Remedial Wall Tie: SDS Power Attachment.
- For injection of StrucSol Resin: StrucSol Resin Applicator Gun + Nozzle.
- For Injection of the StrucSol Crack Filler: A 400ml Mastic Gun is required.
- PPE Clothing and Protection.

General Notes

If you require specific advice on your project, please call the StrucSol technical help line 0116 2375082. We can supply a full support service which includes:

- Advice and assistance on all structural matters.
- Preparing repair proposals for specific projects.

SPECIFICATION NOTES

	The following criteria are to be used unless specified otherwise.
A	Length of Mechanical / Resin Wall Ties to be sufficient to accommodate width of near leaf + width of cavity + 75-90mm into aircrete. Take care not to go right the way through the aircrete.
B	Diameter of near leaf clearance hole to be determined on–site – typically: 12mm for 8mm diameter tie.
C	Far leaf pilot hole not required.
D	For minimum fixing density, holes should be drilled at 900mm centres horizontally by 450mm vertically in a staggered pattern.
	The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.

JT Consulting, Unit 5Q, Sileby Road Industrial Estate, Barrow Upon Soar, LE12 8LP
Tel 0116 2375082, Email: sales@strucsol.com, www.strucsol.co.uk
Company Reg 09707405 V.A.T Reg. GB230398223