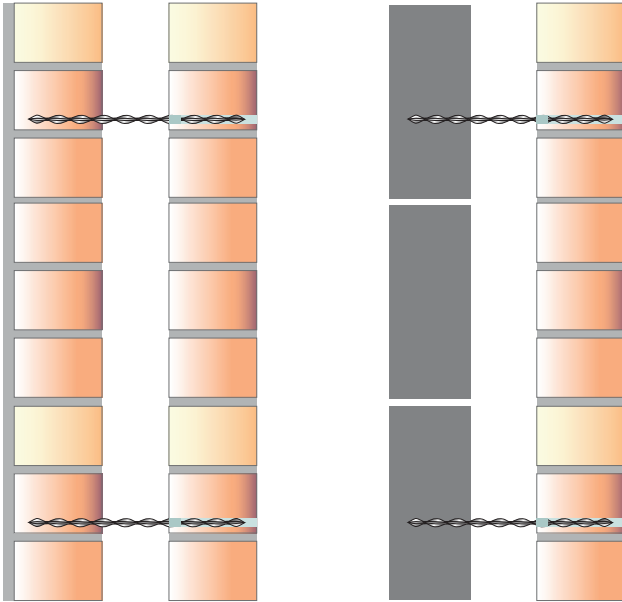


## RECONNECTING NEAR LEAF BRICK TO FAR LEAF BRICK OR BLOCK USING MECHANICAL / RESIN WALL TIE



### Method Statement:

1. Mark the points for Mechanical / Resin Wall Tie insertion on the face of the near leaf brickwork.
2. Drill an appropriate diameter pilot hole through the near leaf brick and to the required depth into the far leaf. The hole should be drilled about half way up the brick and around 15mm from the end to avoid frogs and core holes.
3. Widen the hole through the brickwork to 12mm diameter.
4. Load the Mechanical / Resin Wall Tie into the support tool. Insert through the near leaf and drive home into the far leaf.
5. Security of fixing in the far leaf can be tested with a StrucSol Load Test Unit.
6. Inject StrucSol Resin until the hole is filled. Allow to cure, (after the resin has fully hardened).
7. 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.
8. Clean tools with clean, fresh water.

### Recommended Tooling

- ☐ For drilling: Rotary percussion 3-jaw chuck drill.
- ☐ For drilling clearance hole: SDS hammer drill or rotary percussion drill.
- ☐ For installing Mechanical / Resin Wall Tie: Power driver or hand-held Support Tool.
- ☐ 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.

- |          |                                                                                                                                                              |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A</b> | Length of Asymmetric Mechanical Remedial Wall Tie to be sufficient to accommodate width of the near leaf + width of cavity + required depth into inner leaf. |
| <b>B</b> | Far leaf penetration to be determined on-site – typically: 70mm.                                                                                             |
| <b>C</b> | Diameter of near leaf clearance hole to be determined on-site – typically: 12mm for 8mm diameter tie.                                                        |
| <b>D</b> | Diameter of far leaf pilot hole to be determined on-site – typically: 5-6.5mm for 8mm diameter tie.                                                          |
| <b>E</b> | For minimum fixing density, holes should be drilled at 900mm.                                                                                                |

The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.

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Please always wear the appropriate safety and protective clothing when installing fixing and anchor products. Always observe the necessary Health & Safety guidelines.

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