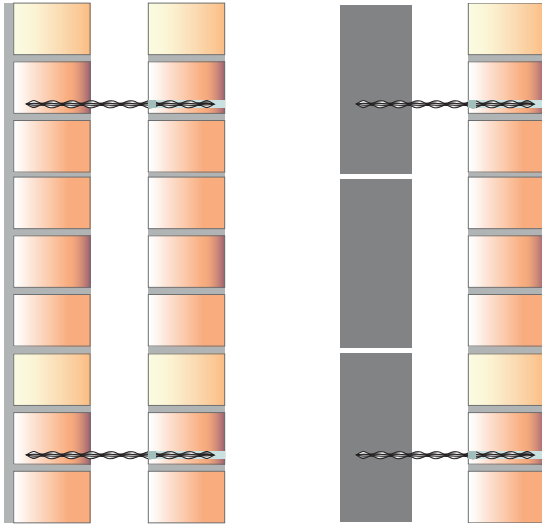


RECONNECTING NEAR LEAF MASONRY TO FAR LEAF BRICKS OR BLOCKS USING GROUTED MECHANICAL / RESIN WALL TIES



Recommended Tooling

- ❏ For drilling: Rotary percussion 3-jaw chuck drill.
- ❏ For insertion of Mechanical / Resin Wall Ties: Hand support tool or SDS Power Support Tool.
- ❏ For mixing StrucSol HSGrout: 3-jaw chuck drill with mixing paddle.
- ❏ 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.

Method Statement:

1. Determine the construction of the back-up material and the maximum and minimum cavity widths in the area to be re-tied.
2. Mark the points for Mechanical / Resin Wall Tie insertion on the outer face of the brickwork about half way up the brick and around 15mm from the end to avoid frogs and core holes.
3. Drill an appropriate size pilot hole through the near leaf and 80mm into the far leaf. The pilot hole will not be required in the far leaf if the back-up material is aircrete.
4. Widen the pilot hole in the near leaf to create a 14mm clearance hole.
5. Load the Mechanical / Resin Wall Tie into the support tool. Insert through the near leaf and drive home into the far leaf.
6. Thoroughly flush the outer leaf clearance hole with water to clean off debris and wet down the substrate in preparation for the grout.
8. Mix StrucSol HSGrout using a power mixer and load into the Pointing Gun with a pinning nozzle already attached.
9. Fill the hole in the near leaf with StrucSol HSGrout.
10. 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.
11. 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.*

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 + 70mm. |
| B | Diameter of pilot hole to be determined on-site (typically 5 – 6.5mm). |
| C | Depth of pilot hole in far leaf to be 80mm. |

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