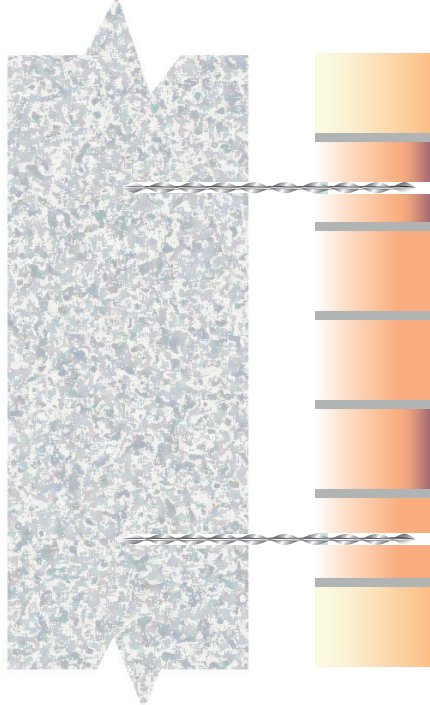


## RECONNECTING NEAR LEAF BRICK TO SOLID CONCRETE USING MECHANICAL REMEDIAL WALL TIES



### Method Statement:

1. Mark the position for the Mechanical Remedial Wall Ties on the face of the near leaf.
2. Drill an appropriate diameter pilot hole (depending on the diameter of the Mechanical Remedial Wall Tie and the density of the near leaf brick) through the near leaf and into the concrete to the predetermined depth, using a rotary percussion drill (3-jaw chuck-type).
3. Fit the special Power Support Tool to an electric hammer drill (SDS type).
4. Load the Mechanical Remedial Wall Tie into the insertion tool.
5. Power-drive the tie into position until its outer end is recessed below the face of the near leaf by the insertion tool.
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.

### Recommended Tooling

- For drilling pilot hole: Rotary percussion 3-jaw chuck drill.
- For installing Mechanical Remedial Wall Ties: Mechanical Remedial Wall Tie Power Driver Attachment fitted to SDS rotary hammer drill 650w / 700w.
- 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 Mechanical Remedial Wall Ties to be sufficient to accommodate width of near leaf + width of cavity + 50mm into the concrete.          |
| <b>B</b> | Ensure pilot hole goes 75mm into the concrete.  |
| <b>C</b> | Diameter of pilot hole to be determined on-site through testing – typically:<br>5-6.5mm for 8mm diameter tie.<br>6.5-8mm for 10mm diameter tie. |
| <b>D</b> | 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.