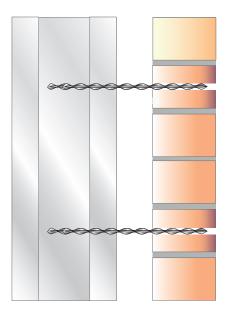




# RECONNECTING NEAR LEAF BRICK TO STEEL STUD USING MECHANICAL REMEDIAL WALL TIES



### **Recommended Tooling**

- For drilling pilot hole: Rotary percussion 3-jaw chuck drill.
- For installing Mechanical Remedial Wall Ties: Power Support Tool fitted to SDS rotary hammer drill 650w / 700w.
- For Injection of the StrucSol Crack Filler: A 400ml Mastic Gun is required.
- $\ensuremath{\mathcal{O}}$  PPE Clothing and Protection.

#### **Method Statement:**

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

#### **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:

 $\ensuremath{\mathcal{D}}$  Advice and assistance on all structural matters.

 $\ensuremath{\mathcal{D}}$  Preparing repair proposals for specific projects.

## **SPECIFICATION NOTES**

The following criteria are to be used unless specified otherwise.

A Length of Mechanical Remedial Wall Ties to be sufficient to accommodate width of near leaf + width of cavity + wall of steel stud +25mm

B Ensure pilot hole goes right through the wall of the steel stud.

C Diameter of pilot hole to be determined on-site through testing – typically: 5–6.5mm for 8mm diameter tie. 6.5-8mm for 10mm diameter tie.

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.

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