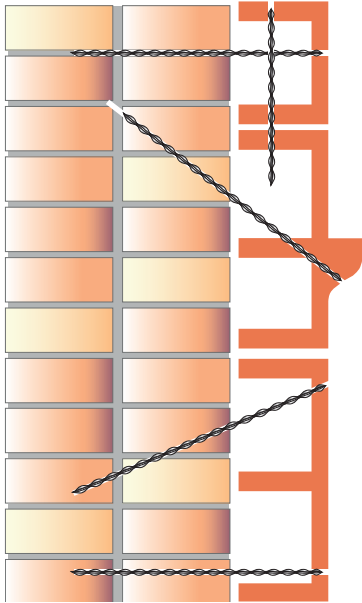# StrucSol
Building Repair Solutions

RECONNECTING TERRACOTTA TO MULTI-LEAF
BRICK / SOLID MASONRY USING MECHANICAL REMEDIAL WALL TIES

Method Statement:

1. Mark the position for the Mechanical Remedial Wall Ties on the outer face of the terracotta.
2. Drill an appropriate diameter pilot hole (depending on the diameter of the Mechanical Remedial Wall Tie and the density of the back-up material) into the masonry, at the specified angle and 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: Power Support Tool 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.
A	Length of Mechanical Remedial Wall Ties to be sufficient to accommodate thickness of terracotta + width of any void + minimum 75mm penetration into the second or third brick leaf.
B	Depth of pilot hole to be length of Mechanical Remedial Wall Tie + 25mm.
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.
	The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.