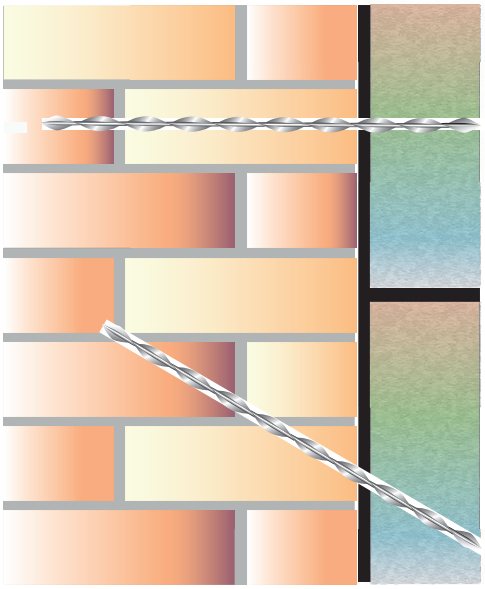
SWM14

StrucSol
Building Repair Solutions

RECONNECTING LIMESTONE / SANDSTONE / TRAVERTINE / GRANITE / MARBLE 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 face of the outer face material.
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) at the specified angle, through the facing material and into the back-up substrate 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.
A	Length of Mechanical Remedial Wall Ties to be sufficient to accommodate width of facing material + 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 Ties + 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.
D	Typically, holes should be drilled in a 450 x 450mm staggered pattern.
	The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.

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