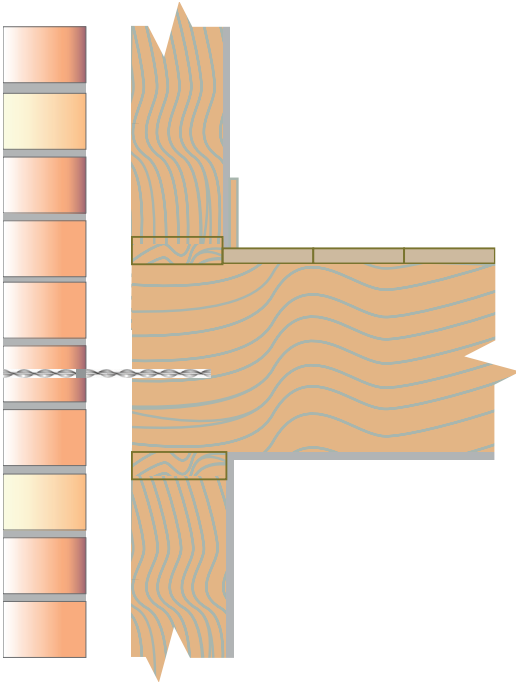


RESTRAINING A BOWED WALL IN A TIMBER FRAMED BUILDING USING LATERAL RESTRAINT TIES INTO JOIST ENDS



Method Statement:

1. Mark the positions of the joists on the external wall.
2. Drill clearance holes for the Lateral Restraint Ties (normally 12mm), through the masonry only, in line with the centre of the joists.
3. Clean the hole to clear any dust or debris.
4. Insert the Lateral Restraint Tie Power Support Tool into an SDS rotary hammer drill and place the Lateral Restraint Tie into the support tool.
5. Drive the Lateral Restraint Tie into the timber to the required depth.
7. Inject StrucSol Resin into the hole to fill it completely.
8. Allow the resin to gel (normally 15-20 minutes).
9. Make good all the holes at the surface and cracks 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.
10. 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.*

Recommended Tooling

- ☞ For drilling and insertion of Lateral Restraint Ties: SDS rotary hammer drill 650 / 700w.
- ☞ For installation of Lateral Restraint Ties: Lateral Restraint Tie Support Tool.
- ☞ 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.

SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

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|----------|--|
| A | Lateral Restraint Tie penetration into the end grain of the timber joist MUST be a minimum of 75mm. |
| B | Each joist in the area of concern is to be secured with a Lateral Restraint Tie (i.e. spacing of Lateral Restraint Ties is to correspond with the original joist spacing). |
| C | Ensure that all joists into which Lateral Restraint Ties are to be installed are both sound and secure. |

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