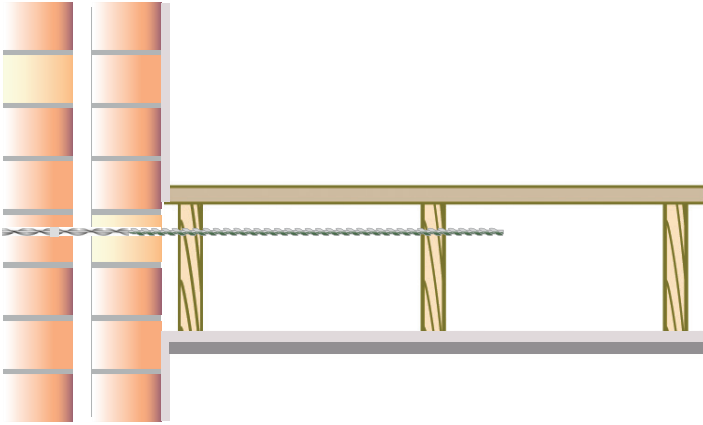


## RESTRAINING A BOWED CAVITY WALL USING HEAVY DUTY LATERAL RESTRAINT TIES INTO JOIST SIDE



### 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.

### Method Statement:

1. Mark the positions for the Lateral Restraint Ties on the external wall.
2. Drill clearance hole (normally 12mm) through the masonry to penetrate the joist in the middle third of the timber away from the edges and continue through the first joist.
3. Clean the hole to clear any dust or debris.
4. Insert the Heavy Duty Lateral Restraint Tie Power Support Tool into an SDS rotary hammer drill and place the Heavy Duty Lateral Restraint Tie into the support tool.
5. Drive the Lateral Restraint Tie into and through the timber joists until you hit the shoulder of the Lateral Restraint Tie Power Support Tool ensuring that you are through the second joist.
6. Inject StrucSol Resin into the hole to fill it completely.
7. Allow the resin to gel (normally 15-20 minutes).
8. 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.
9. Clean the tools and brickwork with a suitable polyester resin cleaner.
10. *Ensure ceiling void is free of pipes and cables.*
11. *Making good the holes may be carried out as soon as is convenient after the StrucSol Resin has started to gel.*

## SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

- |          |   |
|----------|---|
| <b>A</b> | Lateral Restraint Tie penetration into the side grain of the timber joist MUST be a minimum of 50mm.  |
| <b>B</b> | The maximum horizontal spacing between Lateral Restraint Ties is 600mm.   |
| <b>C</b> | The floor boards MUST be in sound condition and securely fixed to the joists. If any boards are rotten, then these MUST be replaced. Loose boards should be secured with nail screws. If boards have been cut adjacent to the wall (e.g. for installation / access to services), then they may need to be replaced with ply boarding. |

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