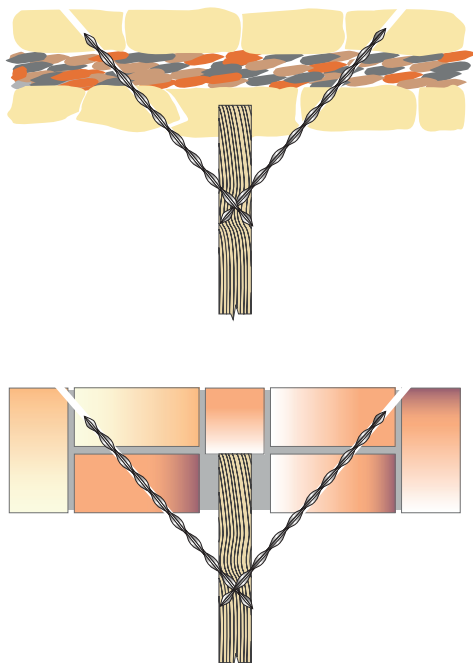


RESTRAINING A BOWED SOLID OR STONE WALL FROM INSIDE USING MECHANICAL REMEDIAL WALL TIES INTO JOIST ENDS



Method Statement:

1. Lift floorboards sufficient to gain access to the wall floor abutment between joist and wall.
2. Using a lightweight rotary hammer drill or 3-jaw chuck type percussion drill, drill vertically staggered pilot holes (normally 6mm) either side of the joist at an angle between 30°-45° and into the masonry.
3. Insert the Mechanical Remedial Wall Tie Power Driver Attachment into an SDS rotary hammer drill and place the Mechanical Remedial Wall Ties into the support tool.
4. Drive the Mechanical Remedial Wall Tie through the joist into the masonry to the required depth ensuring the tie is left flush with the face of the joist.

- ⊞ Ensure that the area of the wall, into which the Mechanical Remedial Wall Ties are driven, is sound. Stabilise if necessary.

Recommended Tooling

- ⊞ For drilling: Either a 650 / 700w SDS rotary hammer or percussion drill.
- ⊞ For installation of Mechanical Remedial Wall Ties: Mechanical Remedial Wall Tie Power Driver Attachment
- ⊞ 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

Mechanical Remedial Wall Ties are generally installed at an angle of 45° with two fixings per joist.

B

The far leaf penetration can only be accurately determined through site testing. However, as a guide we would recommend a penetration depth within the outer leaf of 65-70mm in stonework, 25-30mm in concrete, 65-70mm in a 3N concrete block or stock brick & 90mm penetration in a lightweight block. DryFix ties are suitable for most building materials including cob, clay lump, hollow block, terracotta or timber.

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