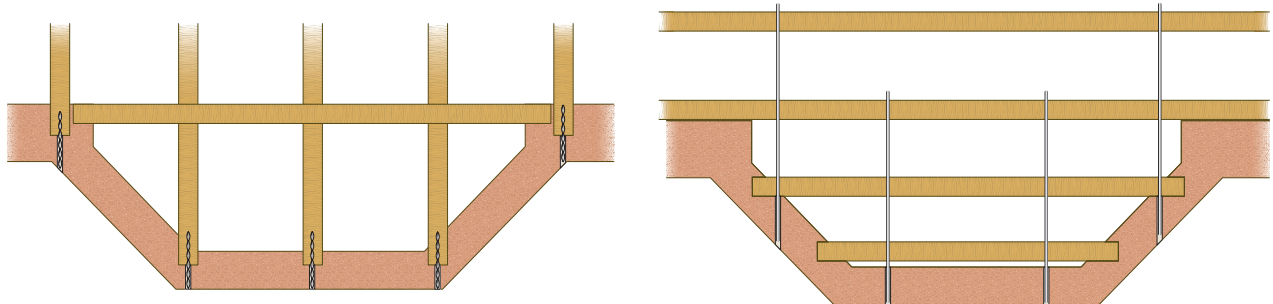


Bay Window Restraint Scheme using Thor L.R.T. or Thor CD Drive Ties



Method Statement

Floor joists perpendicular to the bay front

1. Mark the positions of the ends of the floor joists on the external brickwork and drill 12mm dia. clearance holes through the brickwork and remove all dust.
2. Insert the Thor CD Drive Restraint Tie into the tie support tool attached to an SDS hammer drill. Fire the tie home into the end of the joist to a depth of approx. 75mm.
3. Tensile load testing can be carried out at this stage if required.
4. Load the Thor EA Resin into the applicator gun and attach the mixer nozzle and extension tube.
5. Inject the Thor EA Resin over the end of the tie to completely fill the hole.

If required, finish resin back from face of brickwork to allow application of a colour matched mortar.

Floor joists parallel to the bay front

6. Mark the fixing positions of the Thor LRT fixings and lift the floorboards in the associated area and check for services (e.g. gas, electric, water, data cabling etc.) and other obstructions. Adjust fixing positions as necessary.
7. Drill a 14mm clearance hole through the masonry to hit the centre third of the joist and remove all dust.
8. Screw the Thor LRT key onto the correct length Thor LRT fixing and insert into an SDS drill.
9. With an operative inside viewing and assisting the fixing of the restraint, drive the restraint in (rotation only) slowly winding through the joists as specified to leave the end of the tie recessed 10-15mm into the masonry.
10. Tensile load testing can be carried out at this stage if required.
11. Load the Thor EA Resin into the applicator gun and attach the mixer nozzle and extension tube.
12. Inject the Thor EA Resin over the end of the tie to completely fill the hole. If required, finish resin back from face of brickwork to allow application of a colour matched mortar.

Specification Notes

The following criteria are to be used unless specified otherwise:

- A. Masonry is to be secured to every joist end.
- B. Horizontal spacing of Thor LRT ties should not exceed 600mm.

General Notes

This information is for general guidance only. If they do not apply to your specific project, please contact the Thor Helical Remedial Technical Support Team on 0845 400 6666. Thor Helical Remedial are able to offer a full project design service either in-house or through our National Network of Registered Installers. In most instances, this service is provided free of charge.