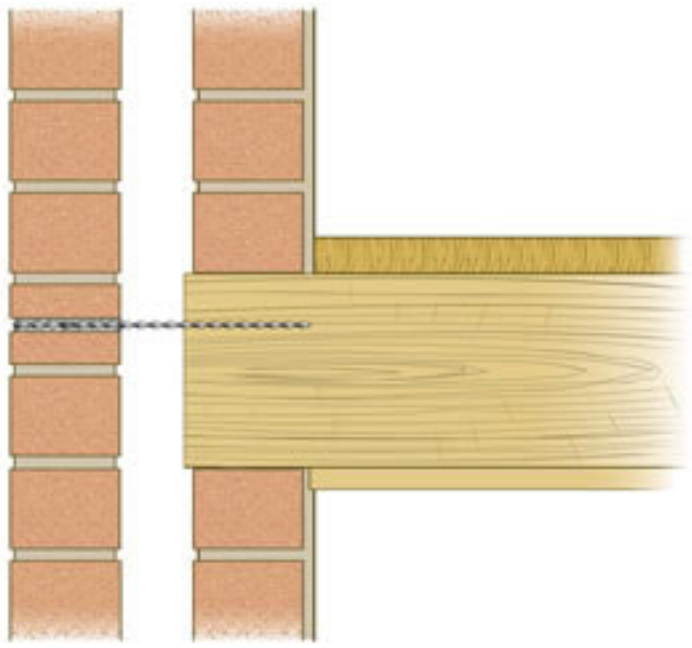
Restraining a Bowed Cavity wall using Thor Drive Fix Restraint Ties into Joist Ends

TRB 01

Method Statement

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 Drive Fix 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. Insert the resin stop sleeve over the tie end and push the stop 90mm into the brickwork.
4. Tensile load testing can be carried out at this stage if required.
5. Load the Thor Poly Resin into the applicator gun and attach the mixer nozzle and extension tube.
6. Inject the Thor Poly 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.



FIXING TEST DATA END GRAIN TIMBER	
Embedment	75mm
Fixing Load	1.6kN

Test provide indicative values of the tie performance. The couplet test produces results of a conservative nature compared to actual wall tests

SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

A. Masonry is to be secured to every joist end.

B. If joist ends have softened due to prolonged contact with moisture drive the tie until good resistance is felt.

RECOMMENDED TOOLING

A. 12mm dia. drill bit of appropriate length.

B. Thor Drive Fix Tie installation tool.

C. 2.5kg SDS hammer drill.

D. Thor Poly resin applicator gun and extension tubes.

General Notes

These notes are for general use only. Should these notes not apply to your specific project, please consult the Thor Helical Remedial Technical Support Team on 0870 6006164. Thor Helical Remedial are able to offer a full project design service by either our in house design team or our National network of Approved installers. In most instances this service is provided free of charge. Projects completed by our network of approved installers offer the benefit of a fully underwritten insurance backed guarantee.