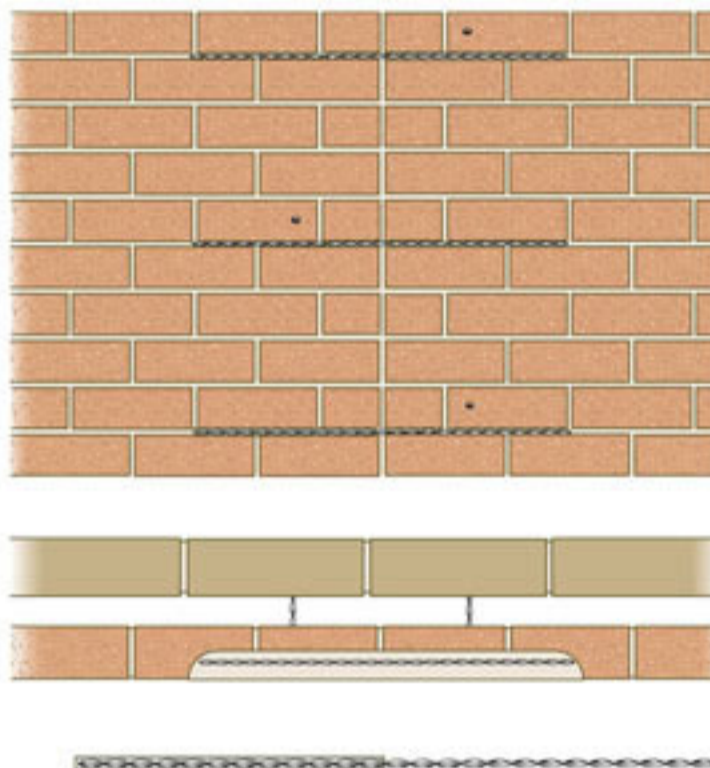


Creating Movement Joints in Cavity Walls using Thor Heliforce Bars

Method Statement

1. Install the specified number of appropriate wall ties to each side of the proposed movement joint position.
2. Use a twin bladed, diamond tipped wall chasing unit to cut out horizontal slots in a mortar bed as required by the specification. For clean, dust free cutting use a vacuum attachment on the chasing unit.
Note. When installing bar in a mortar bed joint ensure all the mortar is removed from the joint. Failure to do so will result in reduced effectiveness of the repair.
3. Cut the movement joint to the required width and height to the full thickness of the masonry leaf.
4. Clean out the horizontal slots and inject a 10mm bead of Thor Poly Resin into the back of the slot
5. Fit the Thor De-bond Sleeve over one half of the Thor Heliforce Bar and push the completed assembly into the resin ensuring full embedment. (Ensure no resin comes into contact with the end of the sleeved section as the bar must be free to move at this end)
6. Inject a second bead of Thor Poly Resin over the bar and sleeve assembly and ensure full coverage.
7. The resin should be finished approx. 10mm below the surface of the brickwork to allow the application of a colour matched mortar pointing to finish the repair.
8. Insert Thor FlexiBead into the vertical slot to the required depth.
9. Seal the vertical joint with colour matched Thor Polysulphide flexible sealant.



SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. Finished depth of horizontal slot: 40mm
- B. Thor Heliforce Bar should extend a minimum of 200mm each side of the expansion joint.
- C. The position of the Thor De-bond Sleeve should be fitted to alternate ends of the Thor Heliforce bars.
- D. Thor Heliforce Bars should be installed at 300mm vertical centres maximum.
- E. Suitable wall ties to be installed not more than 225mm from each side of the proposed expansion joint and at a maximum of 300mm vertical spacing.

RECOMMENDED TOOLING

- A. Twin bladed diamond tipped wall chasing unit with vacuum attachment.
- B. Appropriate wall sawing equipment.
- C. 2.5kg SDS hammer drill.
- D. Drill bits of appropriate diameters and lengths
- E. 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.