CREATING MOVEMENT JOINTS IN SOLID WALLS USING THOR HELICAL BARS

Method Statement

1. Full due care must be exercised when cutting through the full thickness of an existing wall with particular attention to embedded services.

2. Cut the 10mm wide vertical slot to the full thickness of the wall.

3. Using a 125mm mortar rake blade or SDS mortar rake chisel, cut slots into the horizontal mortar joints either side of the movement joint, to the specified depth and at the required vertical spacing. Ensure that NO mortar is left attached to the exposed brick surfaces in order to provide a good masonry resin bond.

4. Clean out the slots and inject a bead of Thor WHO60 Grout, approx. 10mm deep, into the back of the horizontal slots.

5. Fit the Thor de-bond sleeve over one half of the Thor Helical bar and push the complete assembly into the Grout ensuring a good bond between the Thor Helical bar and the sleeve in the slot. (Ensure that no grout comes into contact with the end of the Thor Helical bar covered by the tube, as this end has to be free to move within the sleeve).

6. Inject a second bead of Thor WHO60 Grout up against the Thor Helical bar and tube assembly to obtain good coverage of both.

7. Point up the open horizontal slot with a matching mortar to suit.

8. Insert Thor Flexibead into the vertical slot to finish 10mm below the external face of the brick.

9. Seal the joint with colour matched Hybrid Polymer or Polyurethane flexible sealant.

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**SOLID WALLS**

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**SPECIFIC NOTES**

The following criteria are to be used unless specified otherwise:

A. Depth of slot to accommodate the Thor Helical bar and sleeve assembly to be 70mm.

B. Height of slot to be equal to full mortar joint height, with a minimum of 8mm.

C. Thor Helical bars should extend a minimum of 200mm either side of the expansion joint.

D. Stagger the position of the sleeve on adjacent Thor Helical bar.

E. Thor Helical bar to be installed at a maximum 300mm vertical spacing.

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**RECOMMENDED TOOLS**

A. 125mm Mortar Rake Blade or SDS Mortar Rake Chisel.

B. Finger Trowel & Bed Spoon Jointer for making good pointing.

C. Thor WHO60 Grout, applicator gun for bonding horizontal slip ties.

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**Thor 6mm Remedial Crack Stitching/Expansion Joint Application Guide – Tolerance -0mm/+5mm**

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