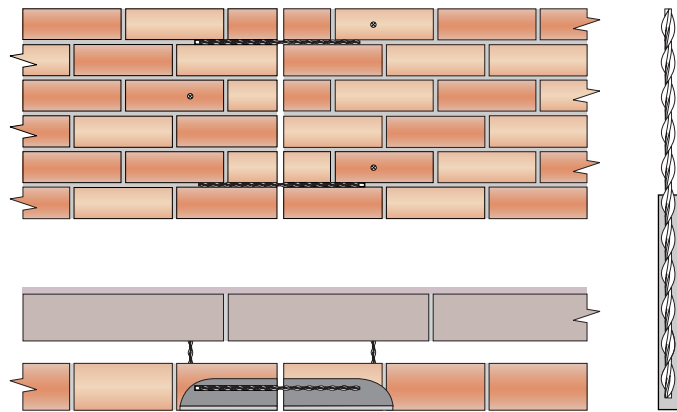


# Creating Movement Joints in Cavity Walls using HeliBars

## Method Statement

1. Install the specified number of appropriate Helifix wall ties adjacent to the movement joint.
  2. Using a twin-bladed, diamond-tipped wall chaser and vacuum attachment, 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/grout bond.
  3. Cut the movement joint to the specified width and at the required location.
  4. Clean out the slots and inject a bead of PolyPlus Resin, approx. 10mm deep, into the back of the slot.
  5. Fit the de-bond sleeve over one half of the 6mm HeliBar and push the complete assembly into the resin ensuring a good bond between the HeliBar and the sleeve in the slot. (Ensure that no resin comes into contact with the end of the HeliBar covered by the sleeve, as this end must be free to move).
  6. Inject a second bead of PolyPlus Resin up against the HeliBar and tube assembly to obtain good coverage of both.
  7. Point up the open slot with a matching mortar to suit.
  8. Seal the joint with a suitable flexible mastic type material.
- N.B. Pointing may be carried out as soon as is convenient after the PolyPlus has started to gel.



## Recommended Tooling

- For cutting slots up to 40mm deep: Hilti DC-SE 20 wall chaser or similar with vacuum attachment.
- For drilling: SDS rotary hammer drill 650/700w or rotary percussion drill for DryFix ties.
- For injection of PolyPlus resin into slots: Helifix PolyPlus applicator gun and nozzle.
- For smoothing pointing: Standard finger trowel.

## General Notes

If your application differs from this repair detail or you require specific advice on your particular project, call the Helifix Technical Sales Team on 020 8735 5222. Our Technical Department can provide you with a full support service including:

- Advice, assistance and recommendations on all structural repair matters
- Devising and preparing complete repair proposals for specific situations
- An insurance-backed warranty via our Approved Installers scheme

## SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A** Depth of slot to accommodate the HeliBar and sleeve assembly to be 40mm.
- B** Height of slot to be equal to full mortar joint height, with a minimum of 8mm. For thin mortar joint specifications refer to the Helifix Technical Dept.
- C** HeliBar should extend a minimum of 200mm either side of the expansion joint.
- D** Stagger the position of the sleeve on adjacent HeliBars.
- E** HeliBars to be installed at a maximum 300mm vertical spacing.
- F** Suitable Helifix wall ties to be installed on each side of the newly formed expansion joint not more than 225mm back from the joint and at a maximum of 300mm vertical spacing.

The above specification notes are for general guidance only and Helifix reserves the right to amend details/notes as necessary.