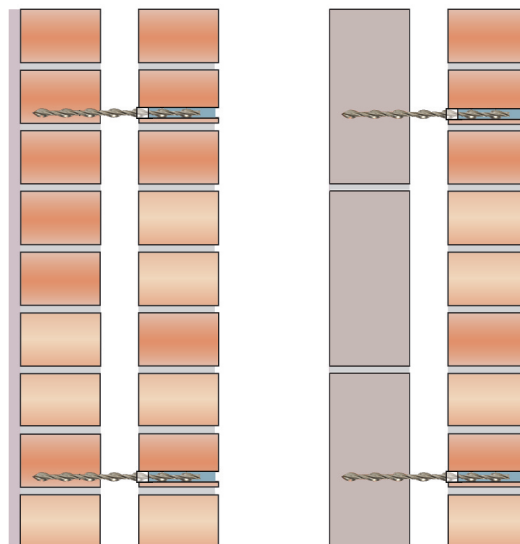


Reconnecting near leaf masonry to far leaf bricks or blocks using RetroTies



METHOD STATEMENT

1. Determine the construction of the back-up material and the maximum and minimum cavity widths in the area to be re-tied.
2. Mark the points for RetroTie insertion on the outer face of the brickwork about half way up the brick and around 15mm from the end to avoid frogs and core holes.
3. Drill an appropriate size pilot hole through the near leaf and 80mm into the far leaf. The pilot hole will not be required in the far leaf if the back-up material is aircrete.
4. Widen the pilot hole in the near leaf to create a 12mm clearance hole.
5. Load the RetroTie into the support tool, insert through the near leaf and drive home into the far leaf. The 'O' ring marker allows the cavity width to be measured and avoids over-driving.
6. Position the plastic sleeve over the outer end of the RetroTie and slide it down the tie with the support tool until the mark on the tool stem is flush with the outer face. The sleeve cleans out the spoil and seals the hole adjacent to the cavity.
7. Security of fixing in the far leaf can be tested with a Helifix load test unit.
8. Inject PolyPlus resin until the hole is filled. Allow to cure and make good.



RECOMMENDED TOOLING

For drilling pilot hole.....Rotary percussion 3-jaw-chuck drill
 For insertion of RetroTie.....Helifix hand support tool or
 Helifix SDS Power Support Tool

Specification Notes

The following criteria are to be used unless specified otherwise:

- A. Length of RetroTies to be sufficient to accommodate width of near leaf + width of cavity + 70mm
- B. Diameter of pilot hole to be determined on site (typically 5 – 6.5mm)
- C. Depth of pilot hole in far leaf to be 80mm

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

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