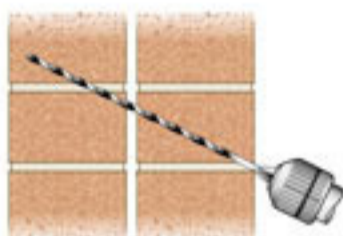


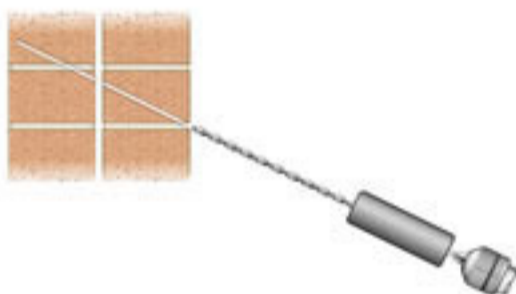
# Repair of a delaminated or separated masonry wall using the secret Thor Drive Fix method

## Method Statement

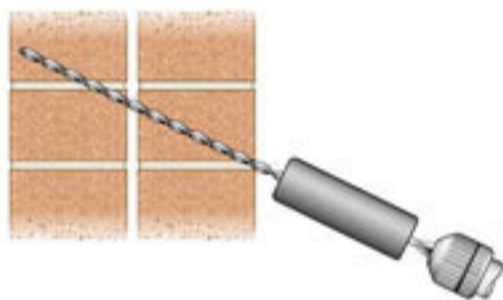
1. Use a lightweight SDS hammer drill, or 3-jaw chuck type percussion drill, to drill the pilot holes, as this ensures the accuracy of the holes diameter and avoids appreciable spalling. Drill pilot holes (normally 6mm), through the near leaf + cavity + far leaf masonry, to the required depth.



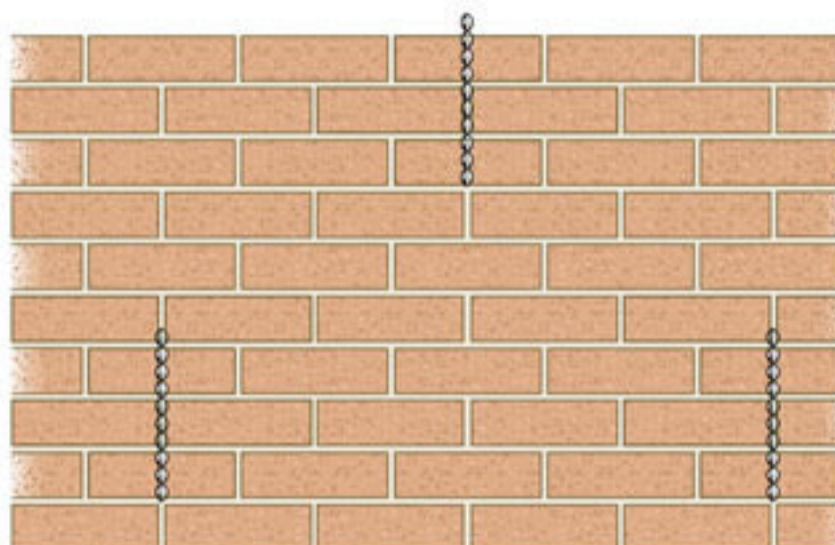
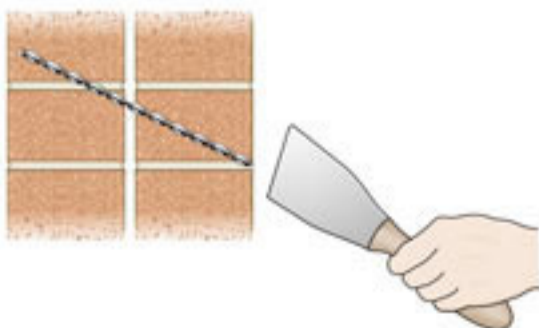
2. Insert the Drive Tie Installation Tool into an SDS rotary hammer drill and place the Drive Fix into the installation tool.



3. Fire the Drive Fix into the far leaf to the required depth ensuring the tie to the outer leaf is fully recessed below the face of the masonry.



4. Make good the Drive Fix at the surface with matching repair mortar



## SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. DriveFix ties are generally installed at a density of 2.5 ties/m<sup>2</sup> ie. 900mm horizontal and 450mm vertical spacing with alternate rows staggered) fixing in the brick facing and not in the mortar joint.
- B. The density is increased around openings with ties placed at 300mm vertical spacing and 225mm back from the opening
- C. The far leaf penetration depth can only be accurately determined through site pull out tests. However, as a guide we would recommend a penetration depth of 25-30mm in concrete, 65-70mm in a 3N concrete block or stock brick & 90mm penetration in a lightweight block.  
DriveFix ties are suitable for most building materials including cob, chalk lump, hollow block, terracotta or timber.
- D. The pilot hole diameter will vary dependant upon the density type of the host material.

## RECOMMENDED TOOLING

- A. A 650/700w SDS rotary hammer drill or rotary percussion drill.
- B. DriveFix tie Installation tool.

## 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.