

# INSTALLATION

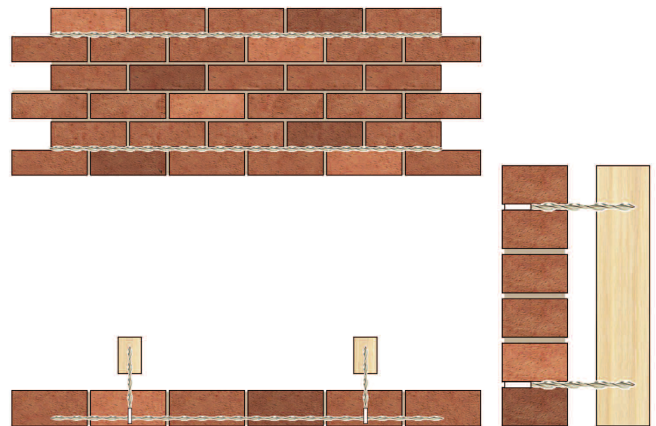
**ANZ  
SC01**

## Tying a wall to an inner leaf or frame using HeliBars, DryFix and DryLink

Product	Description	Code
HeliBar	Helical stainless steel reinforcement	HBR
HeliBond	Injectable cementitious grout	HLB
HeliPrimer	Water-based primer for porous substrates	HWB
EpoxyPlus TE	Thixotropic pure epoxy resin	HTE
DryFix	Stainless steel dry pinning system	HDF
DryLink	Stainless steel HeliBar to remedial tie connector	HDL

### Method Statement

1. Mark the locations for the DryFix ties on the face of the wall at the required spacing.\* Note: Ties should be installed at the bottom of the vertical joint (perp) at the 'T' junction with the mortar bed. This will minimise marking of the brickwork and the mortar joint should be full.
2. Drill a pilot hole (typically 5mm) through the mortar using a light-weight rotary percussion drill. Continue drilling into the wall or timber member behind as required and to the required depth.
3. Enlarge the hole in the outer leaf to 12mm to allow the tie to be placed and the connector fitted over the end correctly.
4. Cut out the bed joint to a depth of 30-40mm. Ensure the masonry surfaces are clean for a good bond.
5. Remove all loose mortar and dust with vacuum or brush and flush with clean water. Where masonry is very dry or porous or flushing with water is inappropriate, apply HeliPrimer WB prior to step 10.
6. Install the tie using the power support tool leaving the end of the tie approximately 40mm below the face of the masonry.
7. (Optional) If required, or for additional security of fixing, clean the hole of spoil using an airjet and inject EpoxyPlus resin to fill the hole. Proceed immediately to step 8 to ensure the DryLink connector is fitted before the resin cures.
8. Wind the DryLink connector over the end of the tie ensuring it is fully engaged. Position the connector with the end 10-15mm below the face, with the cross-holes horizontal. Do not wind the connector too far down the tie as the cross-holes will be blocked.
9. Thread HeliBar through adjacent connectors. Adjacent HeliBars may be overlapped with 100mm either side of the connector to make long continuous runs.
10. Inject HeliBond grout over the HeliBar to the back of the slot, fill the holes and cover the HeliBar completely leaving 10-15mm for repointing.
11. Point up the joints with a suitable matching mortar.



### RECOMMENDED TOOLING

- For cutting slots ..... Chisel, mortar saw (e.g. Arbortech All Saw) or angle grinder with dust guard (e.g. C-Tec) and vacuum
- For mixing HeliBond ..... Drill with mixing paddle
- For injection of HeliBond into slots ..... Helifix Pointing Gun with mortar nozzle
- For smoothing pointing ..... Standard finger trowel
- For drilling ..... Rotary percussion drill 650/850w
- For installation of DryFix ..... SDS rotary hammer drill 650/850w and support tool

### \*SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. Ties are to be installed into available timber members, generally at 600mm centres x 4 brick courses vertically, or at required spacing if masonry inner leaf.
- B. Fractures between lines of HeliBar to be repaired. Refer to Repair Detail CS01 for typical crack stitching detail.
- C. Height of slot for HeliBar to be 8mm min. Masonry surfaces to be clean.
- D. Depth of pilot hole to equal tie length + 40mm.
- E. Tie length to equal: Near leaf thickness less 40mm + distance to timber face + 60-70mm timber penetration

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

### GENERAL NOTES

- Product details available from Helifix.
- Contact Helifix if your application differs from this repair detail or you require specific technical information.