

BRT08

Replacing wall ties in brick veneer walls using DryFix

| Product | Description | Code |
|---------|------------------------------------|------|
| DryFix | Stainless steel dry pinning system | HDF |

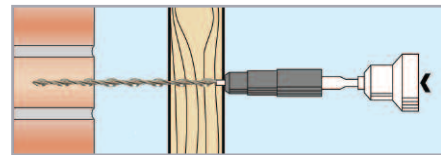
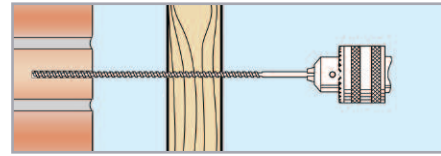
METHOD STATEMENT

1. Drill a 5mm \varnothing pilot hole, or 6 or 6.5mm \varnothing hole if drilling into hard masonry, through the timber stud and into the remote masonry skin to the specified depth using a light-weight electric drill.* A rotary percussion drill, 3-jaw-chuck type, should be used as standard. An SDS-type hammer drill set to a slow speed and light hammer may be preferred if the masonry is sufficiently dense to withstand the heavier SDS hammer action. A 6mm or 6.5mm \varnothing pilot hole size may be preferred if the masonry is particularly hard.

Where possible, the pilot hole drilled into the existing wall should be drilled directly into the masonry, but it may also be driven into the existing mortar if this is strong and in good condition.
2. Attach the Helifix Power Driver Attachment to an SDS hammer drill set to a slow speed and light hammer only. (DryFix ties are self-tapping and will work themselves through the timber and into the masonry wall following the hammer action of the drill.)
3. Load the DryFix into the Power Driver Attachment.
4. Support the power driver attachment with one hand, while using the other to work the drill, and drive the DryFix into the pre-drilled pilot hole to finish flush or just beyond the surface of the timber.

NOTE. Avoid leaning or pushing heavily on the drill during operation to ensure the accuracy of the hole's diameter.

CAUTION. Always locate, identify and isolate any electrical, water or gas services which may be present in the wall or the wall cavities and can pose a safety risk before drilling or cutting. Always take the necessary safety precautions. Use electrical safety gloves and wear appropriate footwear and eyewear.



RECOMMENDED TOOLING

For drillingRotary percussion or SDS rotary hammer drill 650/850w
 For installation of DryFixSDS rotary hammer drill and DryFix Power Driver Attachment

* Specification Notes

The following criteria are to be used unless specified otherwise:

- A. DryFix to be installed into all regular stud positions (typically 450mm or 600mm horizontal centres) and at 600mm vertical centres. Ties are to be installed at 300mm centres around openings and articulation joints.
- B. Depth of pilot hole to be DryFix length + 10mm.
- C. DryFix length to equal:
Near leaf thickness less 10mm + cavity width + far leaf penetration
 Typically, if installing first through the timber stud, ties should be sufficiently long to penetrate between 35-95mm into masonry veneer depending on its hardness, with harder materials requiring less penetration. Typically, 60-70mm penetration is to be achieved when installing into common, dry-pressed or extruded brickwork.
 If installing first through the masonry veneer, ties should be sufficiently long to penetrate at least 45mm into the timber stud.
- D. Ties may be installed from either side of the wall.

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

GENERAL NOTES

- Helifix product details available at www.helifix.com.au.
- If your application differs from this repair detail or you require specific technical information, call Helifix on 1300 66 70 71.