

ANZ
RT08

Veneer wall tie retrofit using DryFix

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

Method Statement

1. Mark the points for DryFix insertion on the face of the wall.*
2. Drill a 5mm diameter pilot hole (subject to confirmation on site) through the timber using a rotary percussion 3-jaw-chuck drill with appropriate bit.*
3. Drill a 5mm diameter pilot hole (subject to confirmation on site) into the masonry to the specified depth using a rotary percussion 3-jaw chuck drill with appropriate masonry bit.*
4. Fit the Power Driver Attachment to a light-weight SDS hammer drill set to a slow speed and hammer only.
5. Load the DryFix tie into the Power Driver Attachment.
6. Support the power driver attachment with one hand, while using the other to work the drill, and drive the DryFix tie into the pre-drilled pilot hole to finish flush or just beyond the surface of the timber.

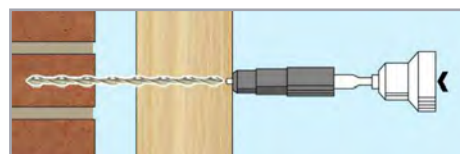
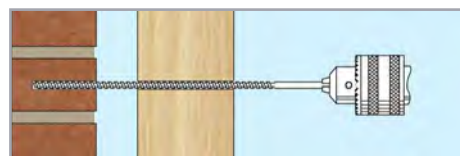
NOTE. Avoid leaning or pushing heavily on the drill during operation to ensure the accuracy of the hole's diameter and to limit spalling of the near leaf as the drill breaks into the cavity.

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. Refer to the *Helifix Wall and Pinning Tie Safe Installation Guide* for further instruction.

DRILLING GUIDE

| Far Leaf Material | Far Leaf Pilot (mm) | Penetration into Far Leaf (mm) |
|-------------------|---------------------|--------------------------------|
| Aircrete | None | 75–90 |
| Timber Stud | None | 55 |
| Clay Brick | 5–6 | 70 |
| Concrete Block | 5–6 | 70 |
| Concrete | 6–6.5 | 35 |

NOTE. The smallest possible diameter pilot hole should be used wherever possible. All figures quoted are indicative dependent on the exact nature of the substrate. Testing may be undertaken on site using the Helifix Load Test unit.



RECOMMENDED TOOLING

For drillingRotary percussion drill 650/850w

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

*SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise:

- A. DryFix are to be spaced in accordance with building code requirements to suit site conditions and location. Relevant Australasian standards include AS3700, NZS1170.5 and NZS4210.
- B. Diameter of pilot hole to be determined on site —typically 5mm. The appropriate diameter will depend on the diameter of the DryFix tie and the density of the near and far leaf materials. Obtainable pull out loads can be tested using a Helifix Load Test Unit.
- C. Depth of pilot hole to be DryFix tie length + 10mm.
- D. DryFix length to equal:
Near leaf thickness less 10mm + cavity width + far leaf penetration depending on material, typically 70mm
Refer to the Drilling Guide for further guidance.
- E. Ties may be installed from either side of the wall.
- F. Wherever possible, ties should be installed directly into the masonry, but they may also be driven into the mortar provided that this is strong and in good condition.

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.