

BRT05

Pinning a solid brick wall using DryFix

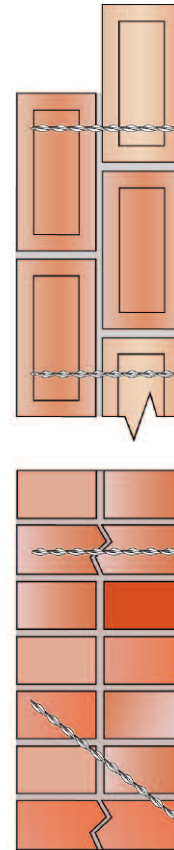
Product	Description	Code
DryFix	Stainless steel dry pinning system	HDF

METHOD STATEMENT

1. Mark the locations for the DryFix ties onto the face of the wall at the required spacing.* Wherever possible, the holes should be drilled directly into the masonry, but they may also be driven into the existing mortar provided that this is strong and in good condition.
2. Drill a 5mm Ø pilot hole into the existing wall 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 Ø pilot hole size may be preferred if the masonry is particularly hard.
3. Attach a 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 into the wall following the hammer action of the drill.)
4. Load a DryFix tie into the Power Driver Attachment.
5. 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 approximately 10mm beyond the surface of the near leaf.
6. Make good the hole using either a mixture of sand, cement and oxide colouring to match the original surrounding brick surfaces or a silicone sealant coated with brick dust or drillings.

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.



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 ties are to be installed at 600mm vertical and horizontal centres into continuous brickwork. Ties are to be installed at 300mm centres around openings and articulation joints.
- B. The ResiTie or CemTie system may be used as an alternative to the DryFix system if drilling through the brick face is unacceptable and the existing mortar is weak or in very poor condition.
- 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
 Typically, ties should be sufficiently long to penetrate 35-70mm into the remote leaf 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.
- E. 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.

EXAMPLE SPECIFICATION

230mm SOLID WALL
 Material: DRYFIX 8 x 170
 Product code: HDF8x170

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DryFix 8MM DIA. x 170MM L. (HDF8x170) TIES TO BE INSTALLED AT 600MM VERTICAL AND HORIZONTAL CTS ON OPEN BRICK FACES, AND 300MM CTS AROUND OPENINGS. TIES TO BE DRIVEN 60-70MM INTO THE REMOTE LEAF AND RECESSED 10MM BELOW THE FACE OF THE NEAR LEAF.

1	HDF	DRYFIX	
ITEM	CODE	DESCRIPTION	
HELIFIX (AUSTRALIA) PTY LTD			
TYPICAL WALL TYPE AND DRYFIX APPLICATION			
SCALE 1:20		DWG No. BRT05-EXS	SHEET 1 of 1