

INSTALLATION

ANZ
RT03

Wall tie retrofit using ResiTies

Product	Description	Code
ResiTie	Stainless steel helical remedial wall tie	HRS
EpoxyPlus TE	Thixotropic pure epoxy resin	HTE

Method Statement

1. Mark the points for ResiTie insertion on the face of the wall.*
2. Drill a 10–12mm diameter clearance hole through the near masonry leaf and into the back-up substrate to the specified depth.*
3. Clean the hole of spoil using a brush and airjet.
4. Push the nozzle of the EpoxyPlus resin applicator through the near leaf and into the clearance hole in the back-up substrate.
5. Pump the applicator to inject resin into the hole in the back-up substrate. Inject resin until the hole is filled completely.
6. Push the ResiTie through the clearance hole in the near masonry leaf and wind the tie into the resin-filled hole in the back-up substrate.
7. Place the end of the nozzle of the resin applicator over the exposed end of the ResiTie in the near leaf. Masking tape may be placed around the hole to protect the surface of the wall from resin spillage. Cloth may also be wrapped around the nozzle to help seal the opening during injection and protect the wall face from resin spillage.
8. Inject resin until the hole is filled.
9. Allow the resin to cure and make good.

RECOMMENDED TOOLING

For drillingRotary percussion drill 650/850w
 For cleaning the clearance holeAir jet and brush
 For injection of EpoxyPlus resinApplicator gun with nozzle

*SPECIFICATION NOTES

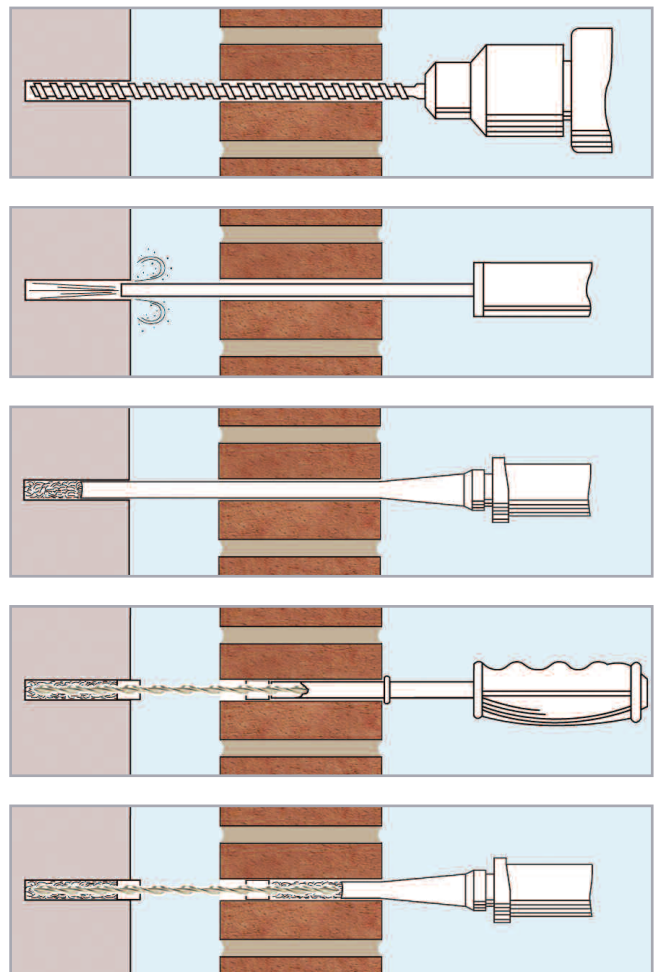
The following criteria are to be used unless specified otherwise:

- A. ResiTie 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. Depth of clearance hole to be ResiTie length + 10mm.
- C. ResiTie length to equal:
 $\text{Minimum } 3/4 \text{ of near leaf thickness} + \text{cavity width} + \text{minimum } 55\text{mm for leaf penetration}$
- D. Ties may be installed from either side of the wall.
- E. Ties may be installed into the bed joints or directly into the masonry to suit site conditions, engineering and architectural requirements.

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.



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.