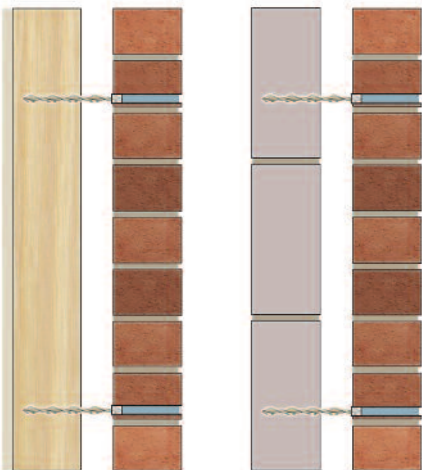


RetroTie

A remedial wall tie with a dry / resin fix

Applications

- Versatile retrofit wall tie
- Use where there is hard external brick material or a resin bond is required in the near leaf
- Use where random testing is required of the security of fixing in the inner leaf



Features

- Quick, easy, non-disruptive installation
- Effective in all common building materials
- Far leaf security of fixing easily proof tested
- Mechanical fixing, without expansion, in the far leaf

Over 50 standard repair specifications are available online, covering all common structural faults.
Relevant Repair Detail: RT02

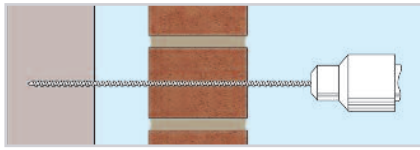


Scan the QR Code for full Product Information, Case Studies and downloadable Repair Details

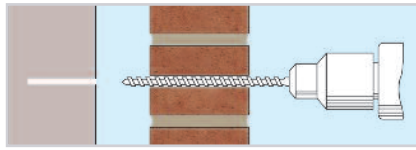


Injecting resin to complete the RetroTie installation

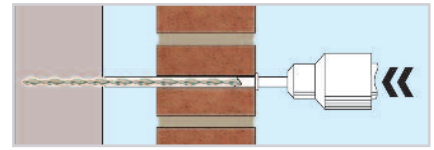
Installation Procedures



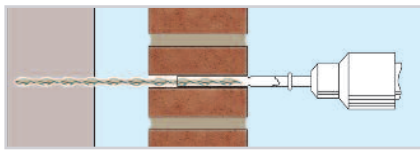
1. Mark the points for RetroTie insertion on the face of the near leaf brickwork. Drill an appropriate diameter pilot hole through the near leaf brick and to the required depth into the far leaf. The hole should be drilled about half way up the brick and around 15mm from the end to avoid frogs and core holes



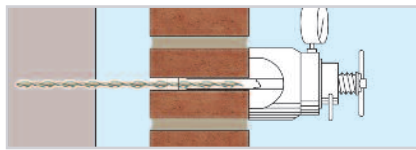
2. Widen the hole, through the near leaf only, to 12 mm diameter. Clean the hole in both the near and far leaves



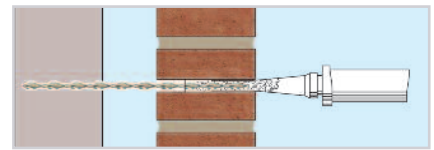
3. Load the RetroTie into the support tool, insert through the near leaf and drive home into the far leaf. The 'O' ring marker allows the cavity width to be measured and avoids over-driving



4. Position the plastic sleeve over the outer end of the RetroTie and slide it down the tie with the support tool until the mark on the tool stem is flush with the outer face. The sleeve centres the tie and seals the hole adjacent to the cavity



5. Security of fixing in the far leaf can be tested with a Helifix Load Test Unit



6. Inject EpoxyPlus TE resin until the hole is filled and then make good

Technical Specifications

Material:	Austenitic stainless steel Grade 316 as standard (Grade 304 also available)
Diameter*:	8mm (10mm available)
Cross sectional area:	10mm ² (15mm ²)
Length:	$\frac{3}{4}$ of near leaf thickness + cavity width + far leaf penetration depending on material, typically 70mm
Standard lengths:	170mm, 195mm, 220mm, 245mm, 270mm, 295mm, 325mm and 350mm
Depth of pilot hole:	Near leaf thickness + cavity width + far leaf penetration + 10mm
Minimum fixing density:	Project Specific
Bonding agent (near leaf only):	EpoxyPlus TE
Characteristic Performance	Earthquake Medium Duty, for cavity 75mm AS/NZS2699. 1 Type B Classification (8.0mm Tie)

* NOTE Diameter measures from fin edge to fin edge.

RECOMMENDED TOOLING	
For drilling pilot hole:	Rotary percussion 3-jaw-chuck drill
For drilling clearance hole:	SDS hammer drill or rotary percussion drill
For installing RetroTie:	Support Tool fitted to an electric SDS hammer drill
For cleaning clearance hole:	Brush and airjet
For proof testing	Helifix Load Test Unit