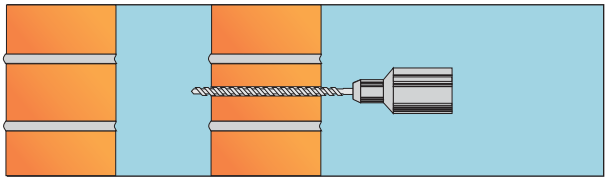
Tri-Fix

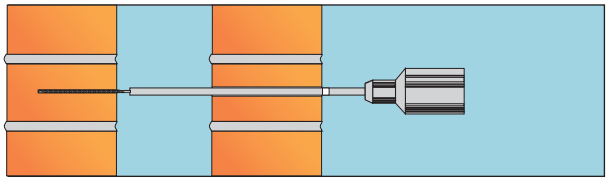
WALLFAST Limited

The versatile Tri-fix wall tie replacement system can be used to tie together a large range of differing materials like timber, air-crete blocks, clay bricks, stone, concrete blocks and steel beams

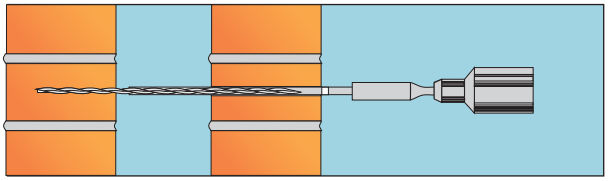
Installation Procedure



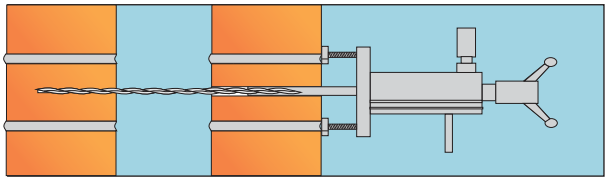
1) Drill clearance hole in outer leaf



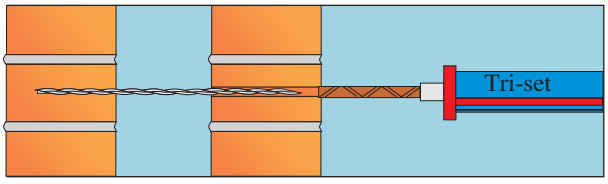
2) If required drill pilot hole in inner leaf



3) Use support tool to drive tie into inner leaf



4) Load test tie to required site loads



4) Fill clearance hole with resin to bond tie to out leaf

Remedial wall tie system with a helical fixing in the inner leaf and a resin fixing on the outer leaf

Tri-Fix-Ties are manufactured out of 304 or 316 Stainless Steel and have been independently tested using a common range of building materials by the University of Portsmouth material testing department in accordance with BS 1243 and DD140 They can be installed quickly and easily by drilling a clearance hole through the outer leaf. Then depending on inner leaf material install either a 6mm or 8mm tie varier a pilot hole in the inner leaf if required Tri-Fix Ties are a stress free fixing allowing them to be installed close to the edge of bricks/blocks and concrete with out causing any splitting or cracking. When being used for tying cavity masonry the constant helix of Tri-Fix Ties gives multi water drips stopping water transfer across cavities. The low cross sectional area of Tri-Fix Ties gives good sound proofing qualities and allows lateral flexibility to over come any misalignment or seasonal thermal movement while still maintaining the required resistance to wind-loads.

Tri-Fix tie classification Dd140

Material	Tie Size	Tie density	Fixing
Air-crete blocks	Ø 8mm	2.5 m^2	Class 4
Timber studs	Ø 6mm	4.44 m^2	Class 5&6
Soft clay bricks	Ø 8mm	2.5 m^2	Class 3
Concrete blocks	Ø 8mm	2.5 m^2	Class 2
Hard clay bricks	Ø 6mm	2.5 m^2	Class 2
Engineering bricks	Ø 6mm	2.5 m^2	Class 2