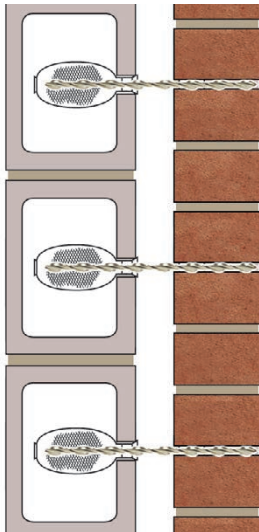


CemenTie

Remedial wall tie for use with thin wall far wythes

Applications

- Where the far wythe is a thin wall hollow block or of poor quality
- Particularly applicable from the fourth floor upwards to comply with resin-related fire concerns/safety requirements
- CemenTie uses a grout-filled sock sleeve to provide a secure bond, grouted in both wythes



Remedial wall tie using expanded grout-filled sock in hollow block far wythe



Features

- Accommodates normal building movement
- Able to bond with thin wall far wythe
- Tie, sock sleeve and grout create excellent bond
- Efficient remedial wall tie for high rise blocks
- Far wythe security of fixing easily proof tested



Drilling clearance hole in both wythes ready for CemenTie installation

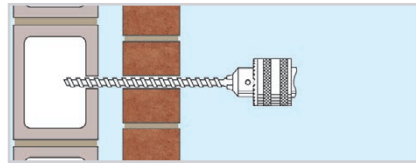


For full Product Information, Case Studies and downloadable Repair Details, giving specifications for many common structural faults, go to:

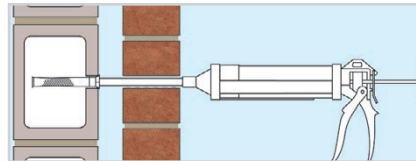
www.helifix.com/products/retrofit-products/cementie-2

Installation Procedures

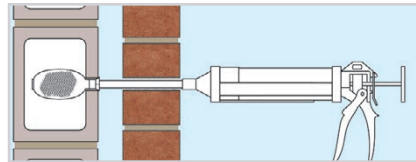
1. Mark the points for CemenTie insertion on the face of the facade brickwork. Drill a 9/16" diameter clearance hole through the facade and the wall of the far wythe. The hole should be drilled about half way up the brick and around 3/4" from the end to avoid frogs and core holes.
2. Flush the facade hole clean with water.
3. Place the sock sleeve over the end of the CemenTie Pinning Nozzle and insert into hole in the far wythe until it reaches the back of the block or the sock sleeve flange is secured in the entry hole to the far wythe block.
4. Inject sufficient HeliBond grout to fill sock and expand behind far wythe, then withdraw the CemenTie Pinning Nozzle.



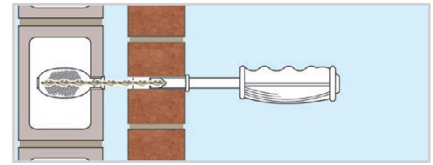
1. Drill 9/16" clearance hole in both wythes and flush clean



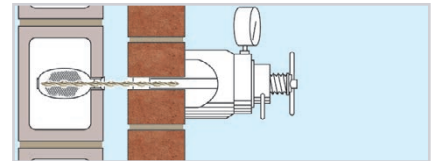
2. Place sock sleeve over end of grout gun CemenTie nozzle and insert into hole in far leaf



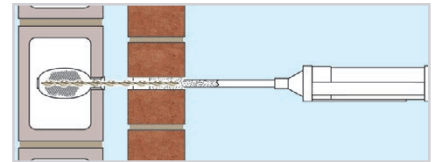
3. Inject sufficient grout to fill sock and expand it behind far wythe



4. Insert CemenTie, with plastic sleeve fitted, into fabric sock



5. When cured, test security of far wythe fixing, if required



6. Inject grout to fill hole in facade and make good

5. Load the CemenTie, with plastic sleeve fitted, into the support tool. Insert the tool into the clearance hole until the CemenTie enters the grout-filled sock.

6. Once cured, security of fixing in the far wythe can be tested with a Helifix Load Test Unit.
7. Inject HeliBond grout to fill the hole in the facade, allow to cure and make good.

Technical Specifications

Material:	Austenitic stainless steel Grade 304 or 316
Diameter:	6mm
Length:	Width of near wythe + width of cavity + 50mm (2")
Standard lengths:	170mm, 195mm, 220mm, 245mm, 270mm and 295mm – in packs of 100
Diameter of clearance hole:	9/16"
Depth of clearance hole:	Length of CemenTie
Minimum fixing density:	Ties should be at 36" centres horizontally by 18" vertically, in a staggered pattern
Bonding agent:	HeliBond Grout
RECOMMENDED TOOLING	
For drilling clearance hole:	SDS hammer drill or rotary percussion drill (particularly in friable far wythe block walls)
For installing CemenTie:	Hand held Support Tool; CemenTie Pinning nozzle fitted to grout gun

NOTE Compression forces are resisted only if the sock is against the back wall of the block chamber.