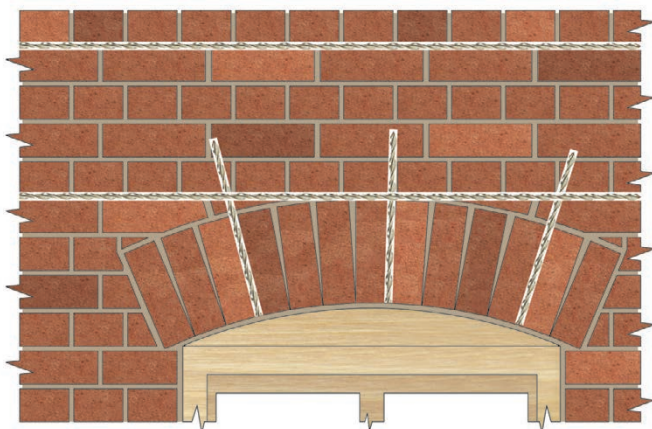
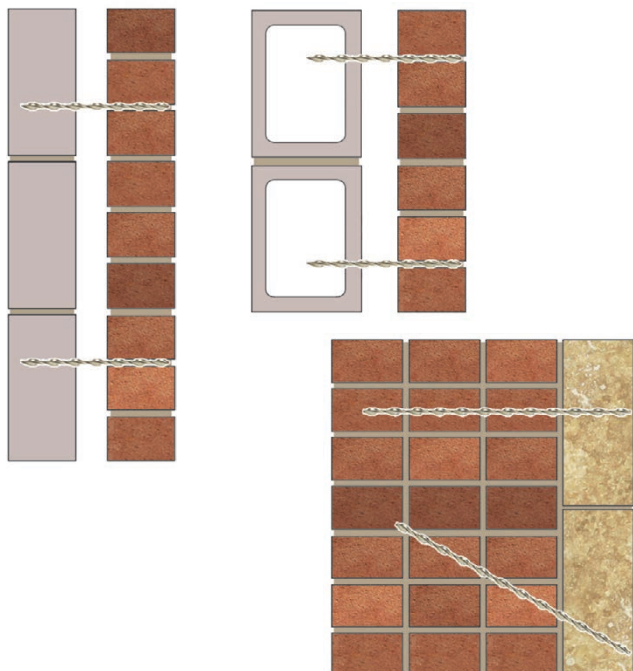


# DryFix

## Dry mechanical pinning and remedial tying system



## Applications

- Versatile replacement wall tie
- For securing multiple layers of masonry
- For pinning delicate masonry features

## Features

- Requires no resin, grout or mechanical expansion
- Quick, easy, non-disruptive installation using the Power Driver Attachment
- Installed tie is recessed below face of masonry
- Highly economical with low installed costs
- Effective in all common building materials
- Leaves masonry virtually unmarked
- Usable in all weather, temperature and environmental conditions



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

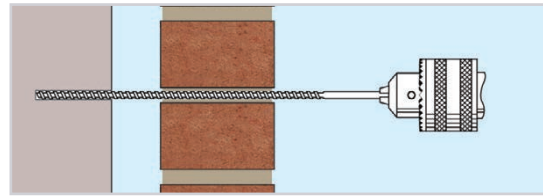
[www.helifix.com/products/retrofit-products/dryfix](http://www.helifix.com/products/retrofit-products/dryfix)



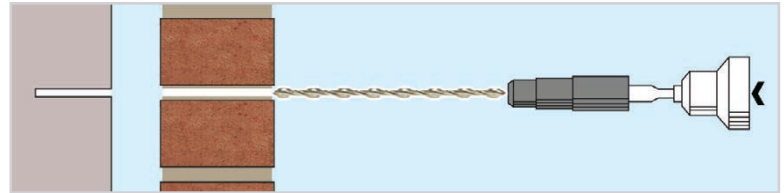
DryFix tie being power-driven into pilot hole

# Installation Procedures

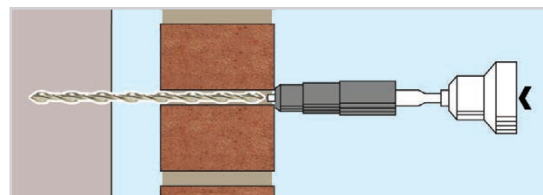
1. Mark the position for the DryFix tie on the facade.
2. Drill an appropriate diameter pilot hole (depending on density of backup material) through the facade and into the backup substrate, to predetermined depth, using a rotary percussion drill (3-jaw-chuck-type).
3. Fit the special DryFix PDA insertion tool to an electric hammer drill (SDS type).
4. Load the DryFix tie into the insertion tool.
5. Power-drive the tie into position until its outer end is recessed below the face of the mortar joint by the insertion tool.
6. Repair the entry hole with matching materials.



1. Drill small pilot hole using rotary percussion drill, 3-jaw-chuck type.  
Note: When used in a joint, the mortar must be of sufficient strength and on-site testing of its suitability is essential.



2. Load tie into DryFix Power Driver Attachment fitted to SDS hammer drill



3. Drive in tie until outer end is fully recessed below face of masonry

# Technical Specifications

Material:	Austenitic stainless steel Grade 304 or 316				
Diameter:	8mm (10mm available)				
Length:	Facade thickness + cavity width + required penetration into the backup less required penetration of the PDA				
Standard lengths:	155mm, 170mm, 195mm, 220mm, 245mm, 270mm, 295mm, 325mm and 350mm – in boxes of 50				
Depth of pilot hole:	Length of DryFix + 1"				
Facade Substrate	Backup Material	Near Wythe Pilot/ Clearance Hole	Far Wythe Pilot/ Clearance Hole	Penetration into Backup	Pull Out (Proof Load)
Clay Brick	Aircrete	5-6mm	None	3" - 3 1/2"	1.0kN
Clay Brick	Wood Stud	5-6mm	None	2"	1.2kN
Clay Brick	Clay Brick	5-6mm	5-6mm	2 1/2"	2.0kN
Clay Brick	Concrete Block	6mm	6mm	2"	2.0kN
Clay Brick	Concrete	6mm	6-6.5mm (very hard concrete may require an Asymmetric tie)	1 1/2"	2.0kN

NOTE: All figures quoted are indicative dependent on the exact nature of the substrate. Testing should always be undertaken on site using the Helifix Load Test Unit. Compression Resistance should be checked with the Helifix Technical Department. Fixing Density should be calculated by the Helifix Technical Department

Minimum fixing density:	In accordance with project specification or check with Helifix Technical Department
Bonding agent:	None required
<b>RECOMMENDED TOOLING</b>	
For drilling pilot hole:	Rotary percussion 3-jaw-chuck drill
For installing DryFix tie:	Power Driver Attachment fitted to an electric hammer drill (SDS type).