

DryFix Terracotta Tie

Dry mechanical pinning
and remedial tying system

Applications

- Developed specifically to secure fragile terracotta facings and delicate decorations and features which have become loose or are suffering from stress fractures
- It has an 8mm diameter over the majority of its length with a short 10mm section at one end to grip the soft terracotta without enlarging the pilot hole



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-terracotta-tie/



Features

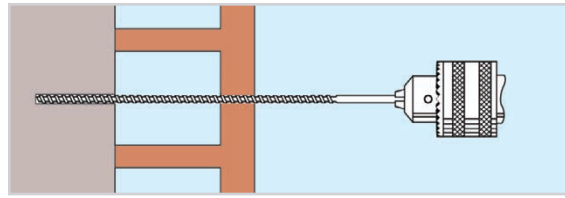
- Does not stress or fracture fragile substrates
- Requires no resin, grout or mechanical expansion
- Needs only a small diameter pilot hole
- Quick, easy, non-disruptive installation using the Power Driver Attachment
- Installed tie is recessed below face of terracotta
- Highly economical with low installed costs
- Effective in all common building materials
- Leaves masonry virtually unmarked
- Usable in all weathers and temperatures



DryFix tie being power-driven into pilot hole

Installation Procedures

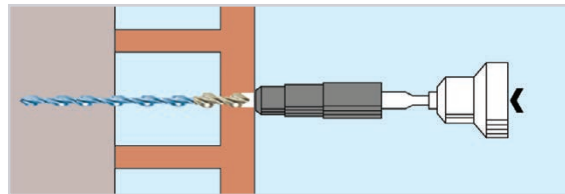
1. Mark the position for the DryFix ties on the terracotta.
2. Drill an appropriate diameter pilot hole (depending on density of backup material) at the specified angle, through the terracotta and into the backup substrate, to a predetermined depth, using a rotary percussion drill (3-jaw-chuck-type).
3. Fit the DryFix Power Driver Attachment to an electric hammer drill (SDS type).
4. Load the larger 10mm diameter end of the DryFix asymmetric Terracotta Tie into the insertion tool.
5. Power-drive the tie into position until its outer end is recessed below, or flush with, the face of the terracotta by the insertion tool.
6. Make good the entry hole with matching materials.



1. Drill a small pilot hole through the terracotta and into the backup material using a rotary percussion drill (3-jaw-chuck-type)



2. Load the tie into the insertion tool fitted to an electric hammer drill (SDS type)



3. The tie is power driven into position (with SDS hammer drill) until the outer end of the tie is automatically recessed below the face of the terracotta. Make good the entry hole with matching materials. In thin walled terracotta, the tie may need to be left flush with the surface

Technical Specifications

Material:	Austenitic stainless steel Grade 304 or 316
Diameter:	8mm / 10mm (Asymmetric)
Length:	Facade thickness + cavity width + required penetration into the backup less required penetration of the PDA
Standard lengths:	245mm, 270mm, 295mm, 325mm, 350mm and 400mm – in boxes of 100
Diameter of masonry pilot hole:	5mm – 6.5mm (determined by on-site testing)
Depth of pilot hole:	Length of DryFix + 1”
Minimum fixing density:	In accordance with project specification or check with Helifix Technical Department
Bonding agent:	None required

RECOMMENDED TOOLING	
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)