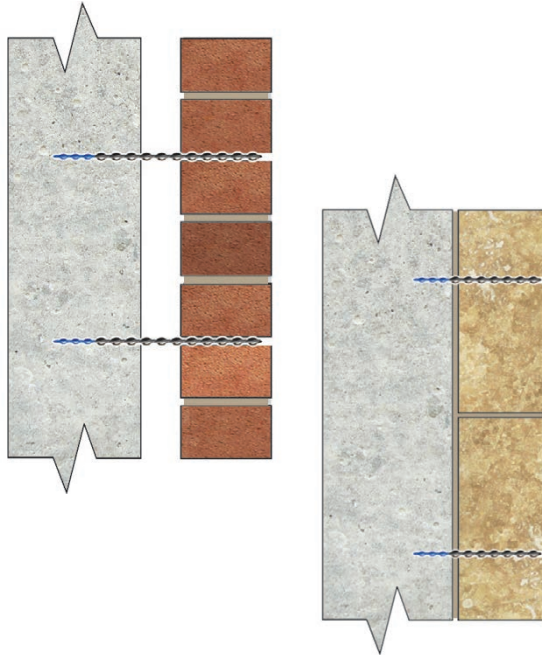


DryFix Asymmetric tie

Dry mechanical pinning and remedial tying system

Applications

- For securing relatively soft outer materials to hard backup materials, such as concrete or hard brick
- For pinning delicate masonry features
- The asymmetric tie has a longer outer section with a standard diameter and a shorter reduced diameter inner section



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-asymmetric-tie



Features

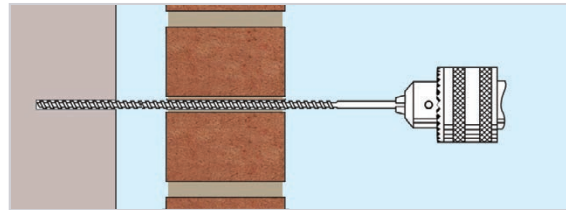
- Requires no resin, grout or mechanical expansion
- Does not stress or fracture fragile substrates
- Quick, easy, concealed installation using the Power Driver Attachment
- Installed tie is recessed below face of masonry
- Highly economical with low installed costs
- Effective in most common building materials
- Leaves masonry virtually unmarked
- Usable in all weathers and temperatures
- Far wythe security of fixing easily proof tested



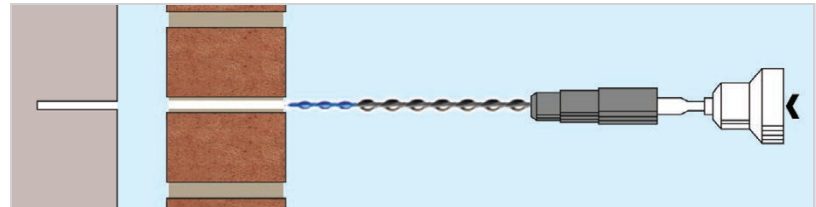
DryFix tie being power-driven into pilot hole

Installation Procedures

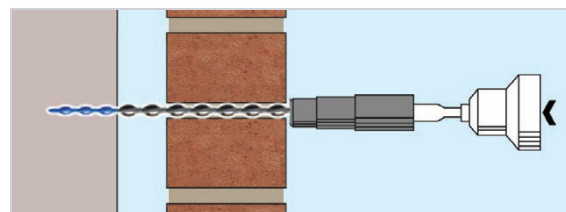
1. Mark the position for the DryFix tie on the face of the facade.
2. Drill an appropriate diameter pilot hole (depending on density of backup material) through the facade and into the backup substrate, to predetermined depth, using a rotary percussion drill (3-jaw-chuck-type).
3. Fit the special patented DryFix Power Driver Attachment (PDA) insertion tool to an electric hammer drill (SDS type).
4. Load the wider diameter end of the DryFix tie into the PDA insertion tool.
5. Power-drive the tie into position until its outer end is recessed below the face of the facade by the insertion tool.
6. Make good 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: | Longer section is standard 8mm or 10mm diameter with a shorter reduced diameter section of 6.5mm or 8mm respectively |
| Length: | Facade thickness + cavity width + required penetration into the backup material less required penetration of the PDA |
| Standard lengths: | 155mm, 170mm, 195mm, 220mm, 245mm, 270mm, 295mm and 325mm – in boxes of 100 |
| Diameter of pilot hole: | Diameter of pilot holes to be ascertained on site, by conducting pull-out tests. These will determine diameter of tie and pilot holes required to comply with the specification |
| 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) |