TurboTie

New build cavity wall tie for securing outer leaf masonry to inner leaf blocks or panels

APPLICATIONS

- New build tie for cavity walls where inner leaf mortar beds are absent, misaligned or 'thin joint' bonds
- Avoids the need for expensive, two-part, rigid frame cramp ties

FEATURES

- Rapid, easy, hammer or power-driven installation
- No need for pre-drilling in aircrete
- Can be installed through insulation
- No splitting or cracking of blocks or panels
- Recommended by leading block manufacturers
- No disturbance to green masonry
- High performance and reliable connection
- Flexibility accommodates normal building movement
- Tested in accordance with BS EN 845-1:2013+A1:2016

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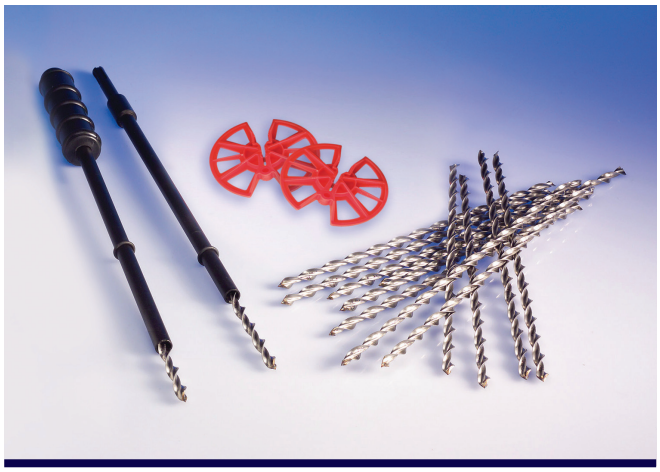

Installing TurboTie into aircrete blocks

TECHNICAL SPECIFICATIONS

TURBOTIE	
Material	Austenitic stainless steel Grade 304 (1.4301) or 316 (1.4401)
Diameter	8mm
Diameter of pilot hole (if required)	6mm
Penetration into far leaf material	85mm (unless advised by the Helifix Technical Team)
Minimum fixing density	2.5 ties per m^2 (Refer to the specification, or Helifix Technical Department)

TURBOTIE SELECTION	
CAVITY - mm	**TIE LENGTH - mm**
50	220
75	245
100	270
125	295
125+	Consult Helifix Technical Sales Team

CLASSIFICATION OF TURBOTIE IN ACCORDANCE WITH BS EN 845-1:2013+A1:2016 USING PD6697:2010 CRITERIA	
Type 2	Depending on host material
Type 3	Depending on host material
Type 4	Depending on host material

RECOMMENDED TOOLING	
For installing TurboTie	Helifix TurboTie hand held Support Tool

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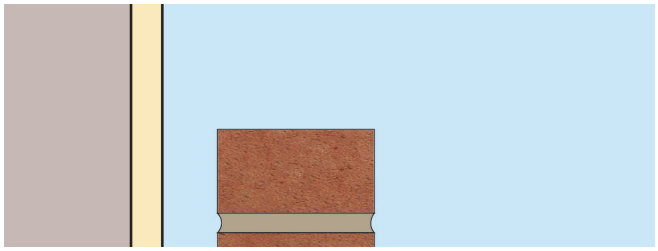
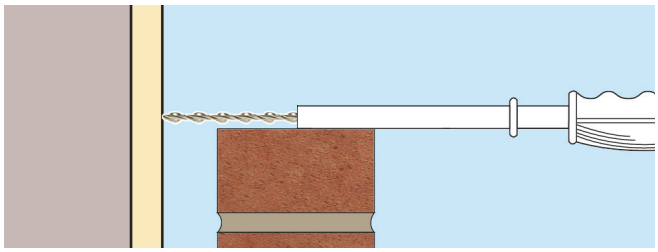
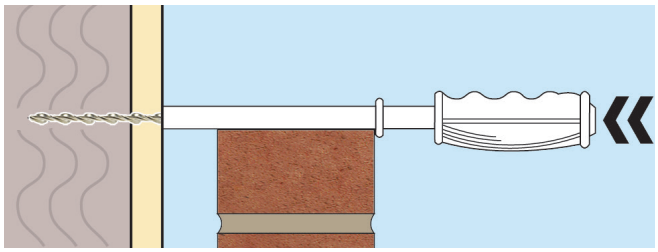
INSTALLATION PROCEDURES



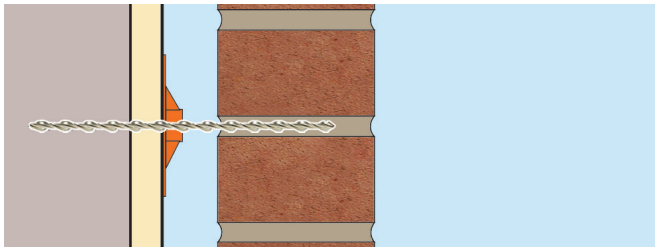
1. TurboTies are installed as the outer leaf is constructed. Load tie into hand held or power support tool.



2. Position the tool on the outer leaf masonry, where required.



3. Drive the tie directly into low density blocks, through the insulation (a small pilot hole will be required if driving into bricks or concrete). Fit the insulation retaining clip over the TurboTie.



4. Embed the outer end of the tie into the mortar of the new masonry leaf.