

BrickFix Mechanical Wall Tie

Product Description

BrickFix Mechanical Wall Ties are designed to replace or supplement existing cavity wall ties. Two types are available depending on whether a neoprene or copper alloy “expander” is preferred.

Benefits

- Quick and easy ‘single tool’ installation
- A2 304 grade M5 bat with brass locking nuts, washers and anti-slip knurled nut
- Neoprene expansions
- Fitted drip ring

Properties

Size(s) & Packaging	Packs of 200, available in a range of lengths to suit different cavity widths:	
	Wall Tie Length	Cavity Width
	150 mm	0 - 40 mm
	200 mm	40 - 70 mm
	225 mm	60 - 70 mm
	250 mm	90 - 120 mm
	300 mm	120 - 170 mm
Pull Out Strengths (kN)	Base Material	Pull Out Strength (kN)
	Stock or Accrington Brick	2.9
	Common Brickwork	2.7
	Blockwork	2.1
	Soft Blockwork	1.9
	40 N Concrete	3.0
	30 N Concrete	2.7



Application Information

Preparation

To install **BrickFix Mechanical Wall Ties**, you will need a **BrickFix Mechanical Fixing Tool**, an SDS rotary power drill, and an appropriately sized masonry drill bit.

Application

1. Using an 11 mm drill bit and inclining the drill slightly upwards, drill a hole through the brick of the outer leaf until you reach the cavity.
2. With the tip of the drill touching the inner leaf set the depth gauge to 70 mm.
3. Drill into the inner leaf (if the inner leaf is blockwork the drill's hammer action should be turned off).
4. Ensure all dust is removed from bore hole using an airline or air pump.
5. Using a cordless drill, put the **BrickFix Mechanical Fixing Tool** into the chuck and set the clutch/torque to 3/4 strength.
Place the tie end into the **BrickFix Mechanical Fixing Tool**.
6. Start drilling at medium speed.
7. Push the tie to the back of the drilled hole, making sure there is “friction” when the tie passes through the outer leaf – if not, pre-expand the tie first.
8. When clutch operates, the tie is set.

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