

Remedial Ties

A product range used in existing cavity walls where ties have been omitted or where the wall ties have corroded and no longer perform their original function.



Product

REM Mechanical Remedial Ties

Due to the special workings of the torque nut, the bar is allowed to rotate and the inner expander engages with and tightens onto the inner wall leaf. At the correct pre-designed torque the inbuilt resistance offered by the special torque nut is overcome, allowing the nut to rotate down the bar and tighten the outer expander to similarly engage with and tighten onto the outer wall leaf.

Sizes	Units	Per
150mm x 11mm (hole size) *	200	Box
200mm x 11mm (hole size) *	200	Box
225mm x 11mm (hole size) *	200	Box
250mm x 11mm (hole size)	200	Box
300mm x 11mm (hole size)	200	Box

* Available in brass as well

Fixing Instructions

1. Drill an 11mm hole to a minimum depth of 70mm into the inner leaf. Remove dust and debris,
2. Insert Neoprene Tie key into drill and fit over the torque nut. Run nut slowly down the bar until resistance is met – the tie is now fixed. Do not over tighten. Ideally drills should be run at a slow speed and high torque setting for the most efficient fix.
3. To put ties in manually fix the manual key onto the special torque nut and turn clockwise until the tie is fitted. Initial resistance will be met then give way temporarily when the torque nut moves down the bar to engage the outer leaf. This is normal and resistance will again be met whilst the outer leaf is tightening. When fitted remove the manual key.

Safety Precautions

REM Mechanical Remedial ties are manufactured from sheared plate and strip so may contain sharp edges. Suitable personal protection should always be used when handling/installing these products.

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STAINLESS STEEL

- A4 316 or A2 304 grade M5 bar with brass locking nuts, washers and anti-slip knurled nut.

NEOPRENE EXPANSIONS

- The inner neoprene spreader has oversized ridges to create an immediate grip on the wall of the hole removing the reliance on the knurled nut to hold whilst the inner section of the tie is expanded.
- To reduce damage to the brickwork and to allow for movement between the two leaves without reducing any performance in tension. A drip ring is fitted.

DRILL DIAMETER

- 10-11mm into normal brick and blockwork.
- 10-11mm into outer leaf only if Stock or Accrington brick.
- Minimum depth of drill hole into the inner leaf – 70mm.

PULL OUT STRENGTHS IN KN

Stock or Accrington Brick	2.9Kn
Common Brickwork	2.7Kn
Blockwork	2.1Kn
Soft Blockwork	1.9Kn
40N Concrete	3.0Kn
30N Concrete	2.7Kn

INSTALLATION TECHNIQUE

Expand the tie into both the inner and outer leaf to the recommended torque.

APPLICATIONS

Suitable where the walls are sound. Are simple to install and inner leaf connection can be checked before the outer leaf is tightened. Unsuitable for timber frame buildings.

FIELD OF USE

Domestic dwellings, small commercial buildings up to three storeys, (not greater than fifteen metres in height) comprising of brick or blockwork of similar thickness.