

RESTRAINING A BOWED WALL RUNNING PARALLEL TO JOISTS



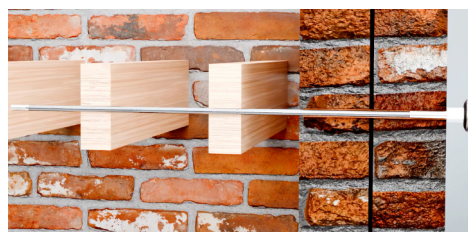
1). Remove sufficient floorboards to ensure the installation area is clear of services and to measure joist positions. The masonry and joists must be sound, and the restraints should be spaced along the floor joists at a maximum of 600mm spacings



2). Mark the drill hole on the external wall and drill a min 14mm hole through the masonry using the supplied masonry drill bit. Do not drill through the joists. Clean the holes with a Titan Ties air pump & thoroughly flush with water.



3). Insert the lateral tie setting tool into an SDS rotary hammer drill. Thread the first lateral restraint tie into the setting tool.



4). Using the drill on a hammer-only setting, drive the lateral tie through the drilled hole and through the middle third of two or three joists. Each tie contains a drill head that self-taps through the timber. Drive the tie until it is recessed approx 15mm from the face of the external masonry. Unscrew the setting tool from the tie.



5). Finally, use Titan Ties Anchor Resin with a mixer nozzle and the supplied 250mm extension nozzle to resin-fix the full length of the lateral restraint tie that sits within the masonry. Apply resin evenly from the back of the hole to the front.



6). Seal the end of the hole with a further continuous plug of resin. A colour matching mortar kit can also be used to closely match existing masonry once the tie is plugged.

SPECIFICATIONS

Lateral Restraint Tie Specification	
Bar Profile	M8 Threaded Bar
Bar Lengths	1m, 1.2m, 1.5m, 2m
Tensile Strength (N/mm ²)	739
Yield Strength (N/mm ²)	553
Elongation (mm)	16
Tested to ISO 3506-1 : 2009 Full Test Data Available on Request	

All buyers are advised to wear suitable personal protective equipment and check available product data to satisfy themselves of safe operating procedures. Buyers should seek the advice of a structural engineer or suitably qualified surveyor prior to undertaking installation. Information provided is for guidance only and no liability is taken. The buyer is responsible for ensuring the materials procured are suitable and fit for purpose. 'StructuralSupplies.co.uk' and 'Titan Ties' are registered trademarks and trading entities of Earlswood Trading Limited, all rights reserved.

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