



Structural
Repair Systems



Triton supplies a full range of replacement wall ties including mechanically fixed, resin bonded or combination types. Lateral restraints and brick stabilisation bars are also supplied for wall stabilisation and crack stitching applications.

A full selection of associated products such as grouts, adhesives and installation equipment is also available.



Replacement Wall Ties

TRITON DRYFIX



A helical dry fix replacement wall tie for use where both outer and inner leaf is of good sound quality. Quick and easy to install, the one-piece Dryfix tie requires no resin, grout or mechanical expansion. Suitable for pinning masonry features, it can be used in bricks, blocks, concrete, hard mortar and timber. The Dryfix tie can be installed through insulation without affecting thermal performance. Manufactured from stainless steel.

TRITON RR10



An economical 5mm, stainless steel double adhesive tie for use in weaker structures where a mechanical fixing will not hold. The RR10 can be used in constructions of four stories or less and can be pull tested. Available in varying lengths.

TRITON AA10



A high quality 10mm steel tie for use in situations that require both the inner and outer wall to be anchored with resin. The 'waisted' ends give the tie a mechanical and an adhesive fixing once the resin is applied. Suitable for use in brick, lightweight block, timber and mortar. The AA10 tie is available in lengths to suit varying cavity widths and construction types. An inbuilt feature enables load tests to be carried out on site on the inner leaf if necessary.

TRITON HELICAL RESIN



An economical helical replacement wall tie which is resin fixed at both ends. Installation is fast and effective using Trifix Resin.

TRITON EE10 SINGLE FIX DOUBLE EXPANSION



Manufactured from stainless steel and Neoprene, the 11mm EE10 tie features a torque nut which sets both the inner and outer expanders independently. The EE10 tie is particularly suitable for brick or stone structures where there is a sound inner leaf and in constructions of four stories or less. Can be pull tested.

TRITON SS10 SINGLE FIX DOUBLE EXPANSION



The SS10 can be used in similar applications to the EE10 tie, but, because of its brass components, will also satisfy the fire safety requirements of constructions which are more than four stories high. Can be pull tested.

Lateral Restraints, Crackstitching Rods, Resins

TRITON LATERAL RESTRAINT



Typically used to stabilise old or bowed walls, Triton's Lateral Restraints are manufactured from 8mm diameter 304 austenitic Stainless Steel rods. They are available in a standard 1m length but can be supplied in other lengths on request. The restraints are designed to restrain the whole of the brick outer structure to the floor joists and offer important benefits:

- minimal disturbance to the householder
- a strong fix
- fitted from the outside of the property
- simply lift floorboards to determine the position of the joists
- the same restraint is used whether joists bear into the wall or are parallel to the wall

A fixing tool is supplied which is attached to the restraint after locating it into the pilot hole. The restraint is then slowly wound through the joists leaving the outer end recessed approximately 10-15mm. Pull tests are undertaken at this stage. The outer end can be resin fixed to the brickwork if required using Trifix Adhesive, before finishing off with mortar or mastic.



TRIFIX ADHESIVE

Trifix is a two component epoxy resin system mixed through spiral mixer nozzles fitted to the cartridge. The components are colour coded for visual assurance that they are fully mixed. The product is solvent free, thixotropic, and cures in cold, damp conditions. Trifix is formulated as an anchoring adhesive to give a strong, stress-free joint within the structure, be it brick, stone, mortar or timber and is therefore ideal for the installation of all Triton wall ties.

TRIBAR REINFORCEMENT RODS



Stainless steel Tribar Rods are designed to stabilise existing masonry and are used in general crack stitching repairs, to reinforce masonry above failed lintels, as a method of overpinning to reduce the underpinning load and to re-tie solid or cavity masonry panels. Typical applications will be in buildings with shallow foundations or which are subject to movement, masonry arches and bridge repairs.

Tribar Rods are available in lengths of 1m, 3m or 7m and should be bedded in or bonded with TriGrout Extra.



TRIGROUT EXTRA

TriGrout Extra is designed to be used as a structural grout for the bedding and bonding of stainless steel reinforcement bars. A two component product, TriGrout Extra is supplied in plastic buckets containing all the powder and liquid needed to make up the product. TriGrout Extra is shrinkage compensated, non-gassing and thixotropic. It is suitable for use with hand or powered applicators and available in two sizes (to make 3 litres or 6 litres of grout).

ALSO AVAILABLE

- Start Out Kit (including 110V compressor, resin air gun, blow out gun, chisel gun, hoses and all fittings)
- Whites Hand Held Metal Detector
- Air Chisel Gun with Retainer Spring and Reptie Mortar Chisel
- Resin Air Gun
- Resin Hand Gun

All products in this brochure are available direct from Triton, call 01322 318830 for more information



Guarantees

Triton approved contractors have access to TUG Insurance Backed Guarantees which are issued for a maximum of 30 years and which cover wall tie replacement, below ground waterproofing and damp and timber treatment. The TUG Insurance Backed Guarantee provides peace of mind to clients by coming into force in the event of the approved contractor ceasing to trade.

Triton also issues its own guarantees to cover the performance of Triton products plus the workmanship of the Triton Approved Contractor. These are designed for contractors who do not issue their own company guarantees. Triton Guarantees are valid for up to 30 years from date of completion of the works (up to 10 years for below ground waterproofing).

Visit www.tug.uk.com to apply for Triton Approved Contractor status and to download the guarantee application forms.



Also available from Triton

- Structural Waterproofing Cavity Drain Systems
- Damp Proofing and Replastering Systems
- Protective Coatings, Structural Repair
- Timber Preservation and Repair
- Green Roof Systems
- Condensation Control
- Pumps and Drainage
- Flooring Systems



Triton Systems

Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017 Email: info@tritonsystems.co.uk

Triton Chemical Manufacturing Co Ltd trading as Triton Systems