

**DECLARATION OF PERFORMANCE**

DoP ref. no: TFT501306041 Rev.1/020913



Name of manufacturer	Teco Building Products Wellington Road, Portslade, Brighton, BN41 1DN
Product type	Teco Timber Frame Tie 50mm
Intended use	Movement tolerant asymmetrical wall tie for connecting timber frames to masonry walls
System of AVCP	3
Harmonised standard	<b>EN 845-1:2013</b>

Teco is an ISO9001 registered firm audited by QMS International plc.  
Structural Consultants C4Ci Ltd.  
Factory Production Control assessed and audited by BM TRADA CE Scheme for Construction Products Notified Body No.1224  
Where appropriate, tested by CERAM Research Ltd Notification Body No.1289

**Material:** Grade 1.4301 Austenitic stainless steel to EN 10088-2

Product Code

**TFT50**



Load capacities are for ties with:

- Overall length 125mm
- Cavity width 50-74mm
- Min embedment length 50mm
- Min mortar joint thickness 8mm
- Permissible movement range 24mm

Fix to timber frame using 3.35x50mm stainless steel annular ring nails

Failure mode in compression = bending of tie

Failure mode in tension = straightening of tie

Declared Performance	Performance	Harmonised technical specification
Essential characteristics		
Compressive load capacity	549N	<b>EN 845-1:2013</b>
Tensile load capacity	669N	
Displacement at 1/3 load capacity	In compression: 0.7mm In tension: 0.75mm	
Durability	Austenitic stainless steel grade 1.4301 Material / Coating reference 3 acc. to EN 845-1 Table A.1	
Water Shedding Capacity	Resistant	
Dangerous substances	Meets UK Building Regulation requirements	

The performance of the product identified is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Rhonda Backwell  
Director

01/07/2013 Brighton