TECTIES
THE TANGLE FREE TIE COMPANY

DATASHEET/DECLARATION OF PERFORMANCE

TTTFM7 TIMBER FRAME MOVEMENT TIE

TEC/DD/1012



The TecTies Stainless Steel Timber Frame Movement Ties can fix brickwork or blockwork to a structural timber frame up to 18m in height allowing for differential movement. The TTTFM7 are available for cavity widths from 50mm to 150mm.

Fully tested to BS EN 846-6:2012. The ties meet the requirements of BS EN 845-1:2013 as a Type 7 tie.



MADE IN BRITAIN

Check that you are using the most up to date version of this product information, **scan the QR code.**

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TTTFM7 PRODUCT ATTRIBUTES

Product Category	Timber Frame Movement Tie
Product Description	Type 7 Timber Frame Movement Tie
Product Code	TTTFM7
Product Brand Name	Timber Frame Movement Tie

	TTTFM7050	TTTFM7075	TTTFM7100	TTTFM7125	TTTFM7150
Cavity Width	50mm	75mm	100mm	125mm	150mm
Channel	100mm				
Screw	6.3mm x 57mm				
TTCH	100mm	125mm	150mm	175mm	200mm
Product Finish	Mill Finish				
Material	Stainless Steel Grade 304				
Drip Function	Drip Feature				
Packaging	Box				
Package Qty	100no.				
Package Weight	8.7 KG	9.6 KG	10.5 KG	11.4 KG	12.2 KG

Packaging Material 	Cardboard Box **Widely Recyclable - Check with your local council guidelines** Please visit the Environmental Commitment page **here**
Storage	Boxes of stainless steel wall ties to be stored indoors, Individual wall ties can be stored outdoors provided they are protected from contamination. Regular checks should be carried out to ensure packaging remains intact, ties remain clean, and there are no signs of corrosion, damage, or foreign material that could affect product quality or performance
Safe Handling	Please visit the Handling Safety Information page **here**
Fire Rating	Euroclass A1

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TecTies Ltd hereby declares that Timber Frame Movement Tie TTTFM7 are in conformity with the provisions of **BS EN 846 - 6 : 2012**

Intended Use
Asymmetrical and Movement Tolerant Tie designed to connect a masonry outer leaf to a structural timber frame -Type 7

Suitable for
See table below

Notified Body
Lucideon Limited, Queens Road, Penkhull, Stoke on Trent ST4 7LQ **Tel.** +44 (0)1782 764428

Notified Body Number 1289

Underwritten by TZUS – Prague

Notified Body Number 1020

The system of assessment and verification of constancy of performance for this construction product conforms to **System 3**

TTTFM7 Essential Characteristics

	50mm	75mm	100mm	125mm	150mm
Cavity Width	50mm	75mm	100mm	125mm	150mm
Compressive Load Capacity	1920N				
Tensile Load Capacity	3580N				
Displacement at 1/3 Load - Compression	0.33mm				
Displacement at 1/3 Load - Tensile	1.09mm				
Building Heights	Up to 18m				
Water Shedding Capability	Resistant				
Durability - Material Reference 3	Austenitic Stainless Steel				
Durability - Grade	304 18/8 comp. to BS EN 10088/1				
Embedment Depth	62.5mm				
Movement Tolerance	30mm max				
Minimum Mortar Designation	(iv)				
Minimum Mortar Joint Width	10mm				
Conformity Assessment	UKCA/CE+UKNI marked				
Testing	Tested in tension and compression to BS EN 846-6:2012; Lucideon report N261984				

All tested product information is available on request. Please contact us for more information.

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CONSTRUCTION ORDER

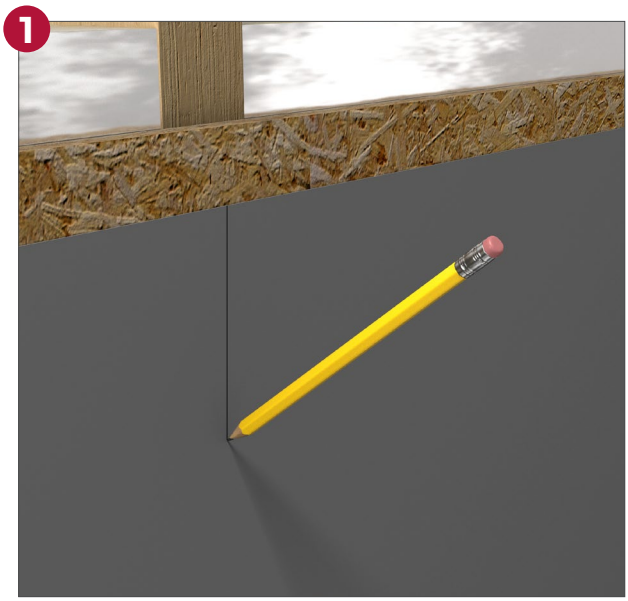
1. Build the inner timber frame in accordance with the approved construction drawings and specifications.

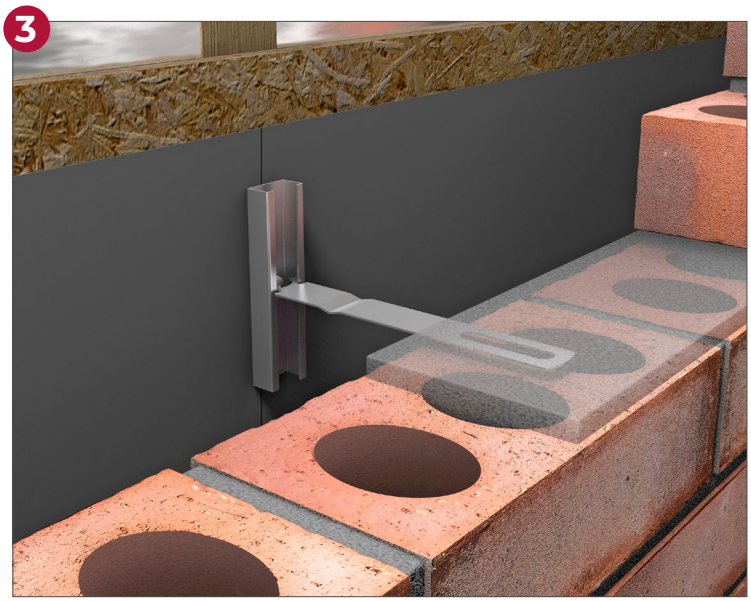
   Mark out the fixing position, ensuring that the timber frame wall tie aligns with and is fixed directly into the vertical timber studwork, not solely into the sheathing board. Set the fixing position 15mm from the base of the 100mm long channel section, with the fixing located 30mm above the centreline of the brickwork bed joint to be tied.

2. Secure the channel** directly into the vertical timber stud using a 6.3mm × 57mm A4 Multi-Fix screw, ensuring the channel is correctly positioned and firmly fixed.

3. Build the Outer Leaf and embed the tie in mortar. (Recommended embedment 62.5mm).







Installation

TecTies Limited products must be installed in accordance with the relevant product specifications, Declaration of Performance (DOP), and current building regulations to ensure full compliance with performance and safety requirements.

Only competent and trained personnel should carry out installation work. Working in accordance with the current HSE manual handling legislation.

Products must be checked prior to installation to confirm that they are undamaged, of the correct type, and suitable for the intended application. Any damaged or non-conforming items must not be installed and should be reported immediately to the supplier or site supervisor.

Installation must be carried out using appropriate tools, equipment, and Personal Protective Equipment (PPE). Care should be taken when handling or fitting components with sharp edges or when working at height or in restricted areas.

All products must be installed in line with current building regulations, project specifications, and site safety procedures.

Once installation is complete, the work area should be checked to ensure all fixings are correctly secured, and waste materials are recycled or disposed of safely and responsibly.