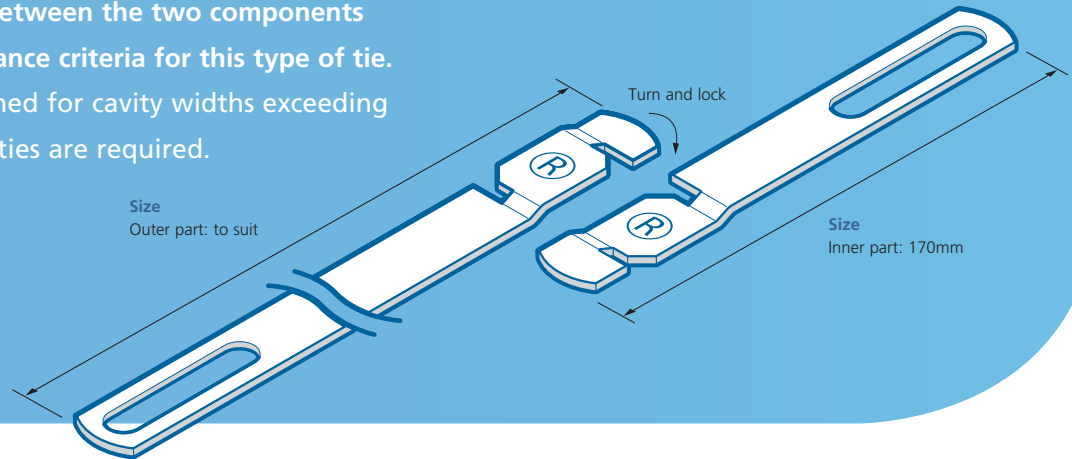


## Stainless Steel Two Part Cavity Wall Ties

The unique "turn and lock" design of TecTies Two Part Tie provides a rigid connection between the two components and assists with the performance criteria for this type of tie. The ties are specifically designed for cavity widths exceeding 150mm where longer length ties are required.



Cavity Width	Outer Part Length
150mm	200mm
175mm	225mm
200mm	250mm
225mm	275mm
250mm	300mm
275mm	325mm
300mm	350mm

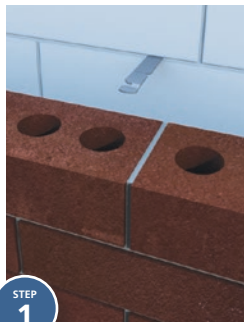
The inner part which is 170mm long is built into the inner leaf of the cavity wall and the outer part is fixed into the outer leaf as it is built. The length of the outer part varies dependant upon the cavity width as shown in the table to the left. An embedment of 75mm is required at each end. TecTies Two Part Ties are suitable for cavity widths up to 300mm and exceed the requirements for a Type 2 tie to BS EN 845-1:2013.

All TecTies cavity wall ties are independently tested at Lucideon, a notified body number 1289 to comply with BS EN 845-1:2013.

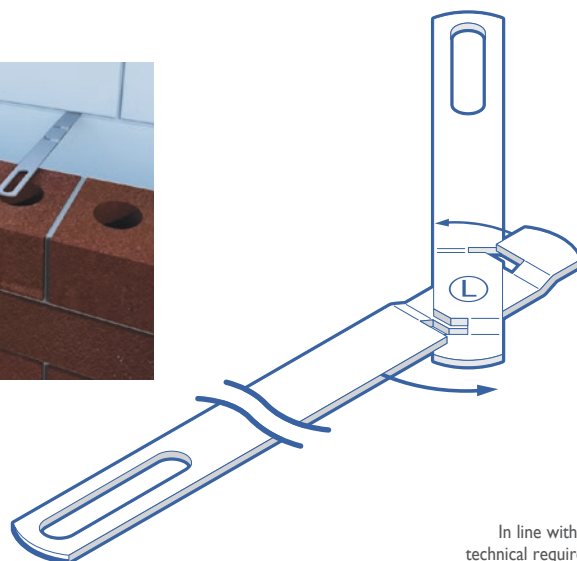
### TTTP Test Results

Compressive Load Capacity	1120N
Tensile Load Capacity	2184N
Displacement at 1/3 Load - Compression	0.18mm
Displacement at 1/3 Load - Tension	0.21mm

### The unique "turn and lock" design in action...



The TecTies Two Part Ties have a unique reversible left hand and right hand locking design that enables the ties to be assembled in any position.



In line with NHBC technical requirements.



visit [www.tecties.co.uk](http://www.tecties.co.uk) for more information or call **01663 749361**

Unit 4 Hurstfield Ind. Estate, Hague Bar, New Mills, High Peak, SK22 3AT | tel: 01663 749361 fax: 01663 747897 email: sales@tecties.co.uk

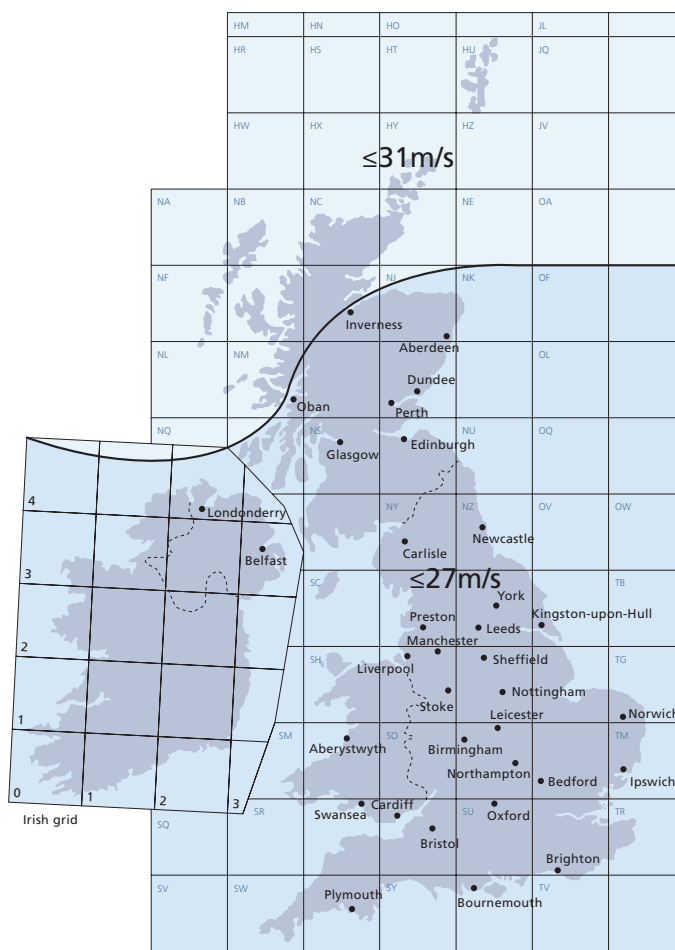
## Stainless Steel Two Part Cavity Wall Ties

### Selection of Cavity Wall Ties

There are a number of publications which contain the relevant information in selecting the correct wall tie and which take into account factors such as masonry type, cavity width, type and height of building and location.

- Eurocode 6 - Design of Masonry Structures (BS EN 1996-1-1:2005)
- BS EN 845-1:2013 Specification for ancillary components for masonry - Part 1: Ties, tension straps, hangers and brackets.
- PD 6697:2010 Recommendations for the design of masonry structures to BS EN 1996-1-1 and BS EN 1996-2
- BS 5628 Code of practice for the use of masonry (now withdrawn - refer to PD 6697)
- Approved document E: Resistance to the passage of sound
- BS EN 1991-1-4:2005 Wind Speeds

Wind Speed information taken from BS EN 1991-1-4:2005 for use with PD 6697:2010



National grid identification

### Field of use

Classification	Type of structure	Geographical location
Type 1. (Masonry: Heavy duty)	Suitable for most masonry cavity and cladding walls and most building sizes and types. Not very flexible and should not be specified where large adjustments are likely to be needed during construction, where large differential movements are expected to take place between the leaves, or where very low strength/density masonry units are in use.	Suitable for use on most sites. However, for relatively tall buildings located in the north western fringes of the UK - particularly on coastal sites - and for buildings of unusual shapes, the necessary tie provision should be calculated.
Type 2. (Masonry: General purpose)	Suitable for domestic dwellings and small commercial buildings of a height of up to 15 m above ground level, made with box-form masonry walls comprising two leaves of brickwork or blockwork of similar thickness in the range 90mm to 150mm. May be suitable for cavity walls having leaves of disparate thickness or stiffness or for cladding walls (having none or limited horizontal spanning capability) and for heights of buildings exceeding 15 m, but should only be used in these situations if shown to be of adequate performance by calculation.	Suitable for buildings on flat sites where the fundamental basic wind velocity is up to 31m/s except areas where the site is at an altitude of 150 m or more above sea level. May be adequate for higher altitudes and sloping sites exceeding a slope of 1 in 20 if calculated.
Type 3. (Masonry: Basic)	As Type 2	As Type 2 but fundamental basic wind velocity limited to 27 m/s
Type 4. (Masonry: Light duty)	Suitable only for masonry cavity walls, comprising two leaves of similar thickness in the range 90 mm to 150 mm, in box-form domestic dwellings of up to 10 m in height. Not suitable for cavity walls having leaves of disparate thickness or stiffness, for cladding walls of any type or for multi-storey structures, of more than three storeys. Suitable for internal separating cavity walls in most buildings.	Suitable for flat sites within towns and cities anywhere in the UK except the north western fringes of Scotland and Ireland (where the fundamental basic wind velocity exceeds 27 m/s) and any areas where the site is at an altitude of 150 m or more above sea level.



In line with NHBC technical requirements.