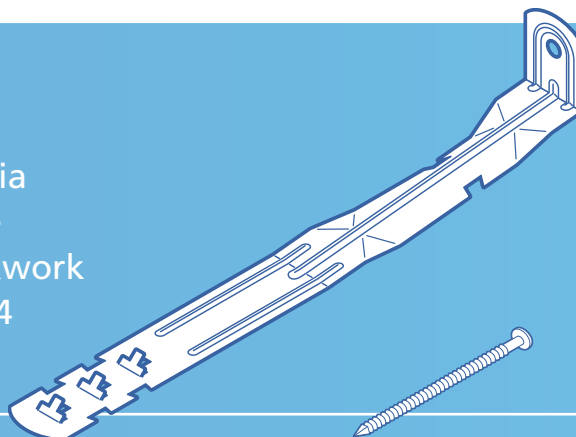


The TecTies Timber Frame Wall Ties are manufactured with optimum design criteria to accommodate all types of timber frame structures. They can fix brickwork or blockwork to the timber frame up to a maximum of 4 storeys and 15m in height.



Fully tested to BS EN 846-6:2012. The ties meet the requirements of BS EN 845-1:2013 as a Type 6 tie and meets the technical requirements of NHBC. It is recommended that TecTies Timber Frame Ties are installed at a density of 4.4 ties per square metre in buildings where the basic wind speed does not exceed 25m/s. This density should be increased to 7.0 ties per square metre in more severe situations.

TecTies Timber Frame Ties are supplied with stainless steel annular rings shank nails and manufactured in three sizes to suit 50 mm, 75 mm and 100 mm cavity widths.

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

TTTF50 Tests on 50mm cavity Timber Frame Wall Ties to BS EN845-1:2013

Compressive Load Capacity	560N
Tensile Load Capacity	1349N
Displacement at 1/3 Load - Compression	0.41mm
Displacement at 1/3 Load - Tension	0.21mm

TTTF75 Tests on 75mm cavity Timber Frame Wall Ties to BS EN845-1:2013

Compressive Load Capacity	690N
Tensile Load Capacity	1349N
Displacement at 1/3 Load - Compression	0.55mm
Displacement at 1/3 Load - Tension	0.21mm

TTTF100 Tests on 100mm cavity Timber Frame Wall Ties to BS EN845-1:2013

Compressive Load Capacity	580N
Tensile Load Capacity	1349N
Displacement at 1/3 Load - Compression	0.37mm
Displacement at 1/3 Load - Tension	0.21mm



In line with NHBC technical requirements.

visit www.tecties.co.uk for more information or call **01663 749361**

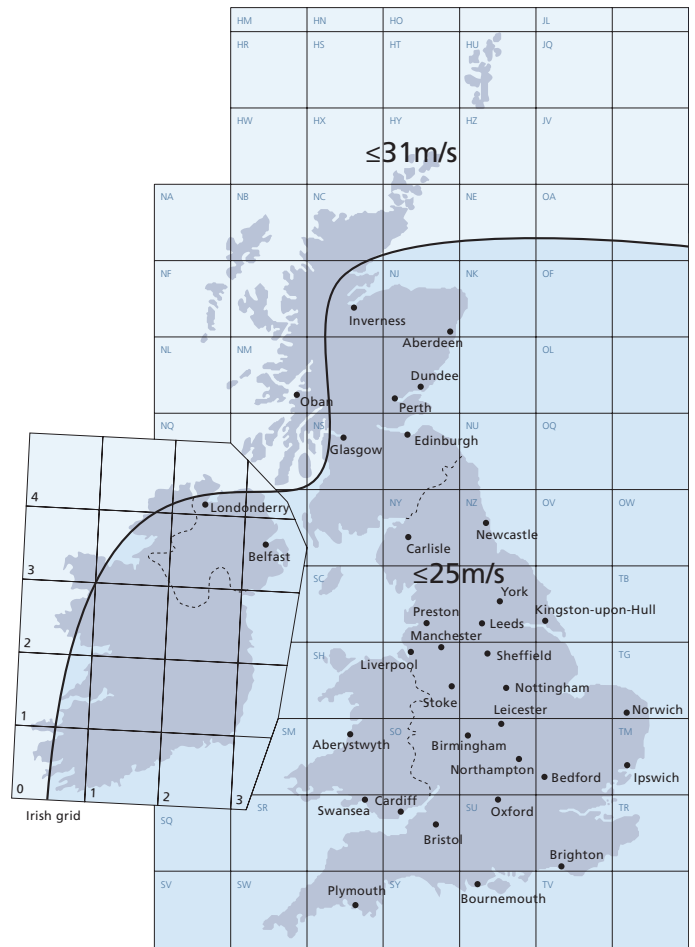
Unit 4 Hurstfield Ind. Estate, Hague Bar, New Mills, High Peak, SK22 3AT | **tel:** 01663 749361 **fax:** 01663 747897 **email:** sales@tecties.co.uk

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 5268-6.1: 1996 Structural use of timber - Dwellings not exceeding seven storeys
- BS 6399-2: 1997 code of practice for wind loads

Wind Speed information taken from BS 6399-2: 1997 for use with BS 5268-6.1: 1996



National grid identification

Field of use Masonry-to-Timber Tie Types to BS 5268-6.1: 1996

Type	Application	Density	Maximum Building Height	Geographical Location
Type 5	Timber frame tie suitable for domestic houses and industrial/commercial developments of up to three storeys	4.4 ties/m ² 3-4 ties/m at unbonded edges	15m	Suitable for flat sites in towns and cities where the basic wind speed does not exceed 25m/s and altitude is not more than 150m above sea level
Type 6	As Type 5 but suitable for developments of up to four storeys	As Type 5	15m	Suitable for flat sites in towns and cities where the basic wind speed does not exceed 25m/s and altitude is not more than 150m above sea level
Type 7	As Type 5 but suitable for developments of between five and seven storeys, being designed to accommodate the increased vertical differential movement.	Calculated for actual performance required for each site location	18m	Calculated for actual performance required for each site location



In line with NHBC technical requirements.