

# DECLARATION OF PERFORMANCE



HEREBY DECLARES  
THAT THE PRODUCT RANGE IDENTIFIED AS,

## Thin Joint Wall Ties

### Conforms to

the provisions of, ZA Annex, BS EN 845-1:2013+A1:2016 as an Asymmetrical Wall Tie

### Performance Characteristics

Strength of Aerated Concrete	2.8N/mm <sup>2</sup> Block		3.5N/mm <sup>2</sup> Block		7.0N/mm <sup>2</sup> Block		10.0N/mm <sup>2</sup> Block	
Tie Length (cavity width)	Tension	Compression	Tension	Compression	Tension	Compression	Tension	Compression
205mm (50mm cavity)	1100N	2030N	1100N	2030N	1800N	2030N	1800N	2030N
230mm (75mm cavity)	1100N	1860N	1100N	1860N	1800N	1860N	1800N	1860N
255mm (100mm cavity)	1100N	1770N	1100N	1770N	1800N	1770N	1800N	1770N
280mm (125mm cavity)	1100N	1370N	1100N	1370N	1800N	1370N	1800N	1370N
305mm (150mm cavity)	1100N	1110N	1100N	1110N	1800N	1110N	1800N	1110N

### Intended Use

Hammer-in helical wall tie for connecting a masonry wall to aerated concrete block. Suitable for cavities up to 150mm

### Essential Characteristics

Water Shedding Capability	Resistant
Fire Resistance	Fireproof
Durability	Material reference 3, Steel grade 1.4301
Dangerous Substances	None

### Conditions

Embedment Depth:	=>85mm in Block =>55mm Mortar
Mortar Joint Thickness:	=>10mm
Mortar Class:	=>Type M2

### Notified Body

Lucideon Ltd, Queens Road, Stoke-on-Trent, Staffordshire ST4 7LQ, United Kingdom

### Notified Body Number

1289

### Manufactured by:

Thor Helical  
KKM Buildings  
Old Reservoir Road  
Farlington  
Hampshire  
PO6 1SU

This product conforms to System 3 - Assessment and Verification of Constancy of Performance. All necessary testing was conducted at the above notified body.

SIGNATURE OF AUTHORISED REPRESENTATIVE:

DAVID J CHADWICK, MANAGING DIRECTOR

DATE: 12TH MARCH 2018

\*Thor Helical recommends on-site testing in remedial applications due to variable nature of masonry. Anchoring depth to be determined by applied loads, masonry strength and site testing.



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