

# DECLARATION OF PERFORMANCE

## THORHELICAL®

HEREBY DECLARES  
THAT THE PRODUCT RANGE IDENTIFIED AS,

### Thor Helical 12mm CD Ties

#### Conform to

BS EN 845-1:2013 and conditions for CE marking:

#### Performance Characteristics (Test Criteria to BS EN 846-4:2002)

Application	Strength of Masonry	Pilot Hole Diameter	Tie Embedment	Mean Tensile Load Capacity	Displacement at 1/3rd of Mean Tensile Load
Strapping Masonry Abutments	30 N/mm <sup>2</sup>	8mm	215mm	8450 N	< 2mm

#### Intended Use

A symmetrical lateral restraint wall tie for strapping masonry to masonry abutments without the use of bonding agents.

BS EN 845-1:2013 National Annex NA states that the strap needs to provide an equivalent performance to the prescriptive 30mm x 5mm lateral restraint straps, commonly used in the UK and the tension straps should have a declared tensile load capacity of at least 8kN.

#### Essential Characteristics

Water Shedding Capability

Fire Resistance

Durability

Dangerous Substances

Resistant

Fireproof

Material reference 3,

Steel grade 1.4301 / 1.4401

None

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

#### 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

SIGNATURE OF AUTHORISED REPRESENTATIVE:

DAVID J CHADWICK, MANAGING DIRECTOR



DATE: 30TH NOVEMBER 2015

\*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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