

DECLARATION OF PERFORMANCE

THORHELICAL®

HEREBY DECLARES
THAT THE PRODUCT RANGE IDENTIFIED AS,

Remedial Wall Ties 9mm CD Tie

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

Performance Characteristics

Substrate Type	Substrate Strength (N/mm ²)	Pilot Hole Diameter (mm)	Embedment Depth (mm)	Cavity Width (mm)	Mean Load Capacity (N)		Mean Displacement at 1/3rd of Mean Load (mm)	
					Tension	Compression	Tension	Compression
Aircrete (AAC)	3.5	0	85	225	1490	1500	0.66	0.28
Dense Aggregate Concrete	7	6	60	150	2870	2700	0.83	0.46
Common Brick	30	6	60	150	1940	2680	0.75	0.27
Perforated Brick	40	5	60	150	1990	2790	0.72	0.57
Structural Concrete C30	30	7	40	150	2370	2690	0.37	0.28

Intended Use

A symmetrical helical wall tie for mechanically connecting two layers of a masonry wall. Suitable for cavities up to at least 150mm

Essential Characteristics

Water Shedding Capability	Resistant
Fire Resistance	Fireproof
Durability	Material reference 3, Steel grade 1.4301 / 1.4401
Dangerous Substances	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: 20TH AUGUST 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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