

Thor Helical Ltd hereby declare that the following product:

Thor Helical Ø9mm Remedial Cavity Wall Tie

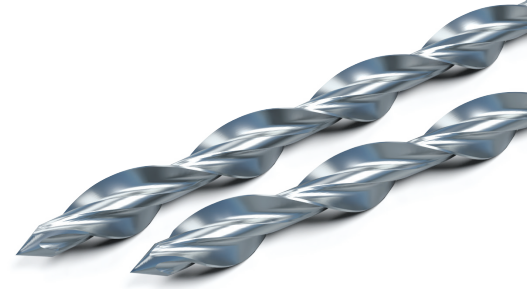
Conforms to the provisions of Annex ZA BS EN 845-1:2013+A1:2016
as an Asymmetrical Wall Tie.

DOP Reference: TH002-UKCA

Intended Use: Ø9mm Remedial Cavity Wall CDT is a Stainless-Steel Remedial
Wall Tie intended to connect two masonry leaves of a cavity wall.

Manufacturer: Thor Helical Ltd, Norquest Industrial Park, Pheasant Drive, Birstall Batley, WF17 9LT

System of Assessment: System 3



Essential Characteristics:

Notified Body: Lucideon Limited Queens Road, Penkhull Stoke-on-Trent Staffordshire, ST4 7LQ United Kingdom	Material: Austenitic Stainless-Steel Grade 1.4301 (AISI 304) as standard Grade 1.4401 (AISI 316) if required	Reaction to Fire: Classification: A1 fire rated defined by Commission Decision 96/603/EC
Notified Body Number: 1289	Water Shedding Capacity: Resistant	Dangerous Substances: None
Durability: Material Coating Reference 3 for Grade 1.4301 & Reference 1 for Grade 1.4401 if required	Failure Mode: Tension - Pull-out of Tie Compression - Bending of Tie	Recommended Spacing: Refer to PD 6697 - Clause 6.2.2.2. On-site pull testing is required to determine substrate specific performance

Declared Performance:

Substrate	Compressive Substrate Strength (N/mm ²)	Cavity Width (mm)	Minimum Embedment Depth (mm)	Pilot Hole Diameter (mm)	Ultimate Load Capacity (N)		Deflection at 1/3 Load Capacity (mm)	
					Tension	Compression	Tension	Compression
AAC	3.5	Up to 225	85	Not Required	1490	1500	0.66	0.28
DAC	7	Up to 150	65	6	2870	2700	0.83	0.46
Fletton Brick	30			6	1940	2680	0.75	0.27
Perforated Brick	40			5	1990	2790	0.72	0.57
Structural Concrete C30	30		40	7	2370	2690	0.37	0.28

Due to the variable nature and progressive deterioration of masonry, we recommend on-site testing to evaluate substrate specific performance.

The performance of the product identified above is in conformity with the set of declared performance(s).

This declaration is issued, under the sole responsibility of the manufacturer identified above.

Signed for on behalf of the manufacturer by:

John Duffin
Managing Director

Thor Helical
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