DECLARATION OF PERFORMANCE

THOR HELICAL®

HEREBY DECLARES
THAT THE PRODUCT RANGE IDENTIFIED AS,

Thor Helical Reinforcing Bars

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

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

Thor Helical Bed Joint Reinforcement using WHO-60 Grout					
Bar Diameter	**No. of Bars per Joint**	**Embedment Depth(s)**	**Embedment Length**	**Mean Tensile Load Capacity**	**Mean Load at 2mm Deflection**
6mm	1	20mm	400mm	8.39kN	6.26kN
7mm	1	20mm	400mm	9.57kN	6.41kN
8mm	1	20mm	400mm	11.06kN	8.73kN
9mm	1	20mm	400mm	11.50kN	8.40kN
6mm	2	15 & 25mm	400mm	16.00kN	10.86kN
7mm	2	15 & 25mm	400mm	17.65kN	11.99kN
8mm	2	15 & 25mm	400mm	17.65kN	10.67kN
5mm	3	10, 20 & 30mm	400mm	14.34kN	6.89kN

Intended Use
Retrofit bed joint reinforcement for stitching, strengthening and strapping masonry

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	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
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PO6 1SU

SIGNATURE OF AUTHORISED REPRESENTATIVE: ..... DATE: 30TH NOVEMBER 2015

DAVID J CHADWICK, MANAGING DIRECTOR

*Thor Helical recommends use of BRE Load/Span Tables for Thor Helical Wires when using the 6mm bars to create deep masonry beams or lintels

CE DECLARATION NO 20151130-2