



Declaration of Performance

THORHELICAL®

DoP No.CSK-15/220116

1. **Product Type:** Symmetrical Tension Strap
2. **Identification:** **Thor Helical Crack Stitching Kit**
3. **Intended Use:** For strapping and stitching cracked masonry
4. **Manufacturer:** Product Licensing Co Ltd t/a Thor Helical
KKM Buildings, Old Reservoir Road, Portsmouth PO6 1SU
5. **Authorised Representative** N/A
6. **System of Assessment (UK):** 3
System of Assessment (EU): 4, as per Article 37 of Regulation (EU) No 305/2011
7. **Technical Specifications:** EN 845-1: 2013
Test Method: EN 846-4: 2002
Technical Assessment (UK):: Lucideon Ltd (Approved Body No. 1289)
Technical Assessment (EU): Product Licensing Co Ltd t/a Thor Helical

9. Declared Performance

Thor Helical Bars bonded in slots cut in masonry walls with 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
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

Slot depth: 30mm for single bar : 40mm for multiple bars
Slot height: 3mm greater than diameter of the helical bar

Essential Characteristics	
Durability:	Material reference 3, Stainless Steel 1.4301/1.4401
Dangerous Substances:	None

10. Declaration

The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer on 16th January 2022 by:

David J Chadwick (Director)