



# Declaration of Performance

THORHELICAL®

DoP No.TFT-13/230601

- Product Type:** Asymmetrical Cavity Wall Tie
- Identification:** **Thor Helical Timber Frame Tie**
- Intended Use:** Type 6 wall tie for connecting masonry façades to structural timber frames
- Manufacturer:** Product Licensing Co Ltd t/a Thor Helical  
KKM Buildings, Old Reservoir Road, Portsmouth PO6 1SU
- Authorised Representative** N/A
- System of Assessment (UK):** 3  
**System of Assessment (EU):** 4, as per Article 37 of Regulation (EU) No 305/2011
- Technical Specifications:** EN 845-1: 2013 + A1: 2016  
**Test Method:** EN 846-6: 2012  
**Technical Assessment (UK)::** Lucideon Ltd (Approved Body No. 1289)  
**Technical Assessment (EU):** Product Licensing Co Ltd t/a Thor Helical

## 9. Declared Performance

Construction	Minimum Embedment Timber/OSB	Minimum Embedment Mortar	Minimum Mortar Class	Max Cavity Width	Mean Load at 5mm deflection		Mean Displacement at 1/3 <sup>rd</sup> of Mean Load	
					Tension	Compression at 165mm Cavity	Tension	Compression at 165mm Cavity
Brick to Timber Frame/OSB	30mm	60mm	Type M2	150mm	680N	440N	0.28mm	0.32mm
Brick to Timber Frame/OSB (24mm Drying Shrinkage)	30mm	60mm	Type M2	150mm	870N	430N	0.39mm	0.33mm
<b>Essential Characteristics</b>								
Water Shedding Capability:	Resistant							
Durability:	Material reference 3, Stainless Steel 1.4301							
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 31<sup>st</sup> May 2023 by:

David J Chadwick (Director)