

## DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

### Column Tie, 175/200/225mm

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



<b>Declaration Number:</b>	<b>L0125-01-NI</b>
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Intended Use:	Tie for connecting new masonry to an existing steel column flange. Suitable for cavities from 95mm-169mm.
Approved Body:	Lucideon Ltd, Queens Road, Penkhull, Stoke-on-Trent, Staffordshire, ST4 7LQ, United Kingdom
Approved Body Number:	1289

This product conforms to **System 3** – Assessment and Verification of Constancy of Performance. All necessary testing was conducted at the above notified body.

<b>Essential Characteristics</b>	
Compressive Load Capacity (cavity +15mm):	<b>1390N</b>
Compressive Load Capacity (design cavity):	<b>3190N</b>
Tensile Load Capacity (at min. embedment):	<b>1730N</b>
<b>Capacities given for:</b>	
Overall Wall Tie Length:	<b>225mm Max</b>
Design Cavity Width:	<b>95-169mm</b>
Minimum Embedment Depth:	<b>50mm</b>
Minimum Cover to Face of Wall:	<b>20mm</b>
Minimum Mortar Joint Thickness:	<b>10mm</b>
Minimum Mortar Class:	<b>Type M2</b>

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<b>Displacement at 1/3 Load Capacity</b>	
In Compression:	1.02
In Tension:	0.42
<b>Failure Modes:</b>	
In Compression:	Bending of tie
In Tension:	Bending of tie at column attachment end
<b>Water Shedding Capacity:</b>	Resistant
<b>Recommended Spacing:</b>	As required
<b>Durability</b>	
Material Coating Reference:	3
Steel Grade:	1.4301/1.4401
<b>Dangerous Substance</b>	None

Signed for and on behalf of the manufacturer by



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 Rune Magnusson  
 Managing Director Europe West & APAC  
 1<sup>st</sup> April 2022

Manufactured by:

**Leviat Limited**  
 President Way  
 President Park  
 Sheffield, S4 7UR  
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