

## DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

**SHX (Pre-Galv), 150-225mm**

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



<b>Declaration Number:</b>	<b>L0122-01-NI</b>
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Intended Use:	Frame tie for connecting a new masonry leaf to an existing structure. Suitable for cavities from 60mm to 152.5mm depending on tie length.
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>4130N</b>
Tensile Load Capacity (at min embedment):	<b>2500N</b>
<b>Capacities given for:</b>	
Overall Wall Tie Length:	<b>150mm-225mm</b>
Design Cavity Width:	<b>60-152.5mm (from fixing)</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>M2</b>
<b>Displacement at 1/3 Load Capacity</b>	

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In Compression:	0.49
In Tension:	0.29
<b>Failure Modes:</b>	
In Compression:	Bending of tie
In Tension:	Pull-out of mortar
<b>Water Shedding Capacity:</b>	Resistant
<b>Recommended Spacing:</b>	As required
<b>Durability</b>	
Material Coating Reference:	21
Steel Grade:	1.0226
<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  
 United Kingdom

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