

DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

SHX, 150-225mm

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



Declaration Number:	L0012-02-NI
----------------------------	--------------------

Intended Use:	Frame tie for connecting a new masonry leaf to an existing structure. Suitable for cavities 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.

Essential Characteristics	
Compressive Load Capacity (cavity +15mm):	4130N
Tensile Load Capacity (cavity):	3310N
Capacities given for:	
Overall Wall Tie Length:	150mm-225mm
Design Cavity Width:	60mm-152.5mm (from fixing)
Minimum Embedment Depth:	50mm
Minimum Cover to Face of Wall:	20mm
Minimum Mortar Joint Thickness:	10mm
Minimum Mortar Class:	Type M2
Displacement at 1/3 Load Capacity	

DECLARATION OF PERFORMANCE

In Compression:	0.49
In Tension:	0.29
Failure Modes:	
In Compression:	Bending of tie
In Tension:	Pull-out of mortar
Water Shedding Capacity:	Resistant
Recommended Spacing:	As required
Durability	
Material Coating Reference:	3/23
Steel Grade:	1.4301/1.4401
Dangerous Substance	None

Signed for and on behalf of the manufacturer by



 Rune Magnusson
 Managing Director Europe West & APAC
 15th March 2023

Manufactured by;

Leviat Limited
 President Way
 President Park
 Sheffield, S4 7UR
 United Kingdom

Declaration Number: 0012-02-NI