

DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

SD21 100-150mm

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



Declaration Number:	L0035-03-CA
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Intended Use:	Wall tie for use with the Ancon 21/18 Omega channel system to connect a new masonry leaf to an existing structure. Suitable for 20-94mm cavities.
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):	1390N
Compressive Load Capacity (design cavity):	1400N
Tensile Load Capacity (cavity):	3070N
Capacities given for:	
Overall Wall Tie Length:	100-150mm
Design Cavity Width:	20-94mm
Minimum Embedment Depth:	50mm
Minimum Cover to Face of Wall:	20mm
Minimum Mortar Joint Thickness:	10mm
Minimum Mortar Class:	Type M2

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Displacement at 1/3 Load Capacity	
In Compression:	0.32
In Tension:	0.3
Failure Modes:	
In Compression:	Bending of tie
In Tension:	Pull-out of tie
Water Shedding Capacity:	Resistant
Recommended Spacing:	As required
Durability	
Material Coating Reference:	3
Steel Grade:	1.4301/1.4401
Dangerous Substance	None

Signed for and on behalf of the manufacturer by



Rune Magnusson
Regional Managing Director, UK & Asia
13th May 2025

Manufactured by:

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

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