

## DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

**SD21 300mm**

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



<b>Declaration Number:</b>	<b>L0037-03-CE</b>
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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 220-244mm cavities.
Notified Body:	Technical and Test Institute for Constructions Prague, Branch 0600 - Brno, Hněvkovského 77, 617 00 Brno - Komárov, Czech Republic
Notified Body Number:	1020

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>890N</b>
Compressive Load Capacity (design cavity):	<b>1400N</b>
Tensile Load Capacity (cavity):	<b>3070N</b>
<b>Capacities given for:</b>	
Overall Wall Tie Length:	<b>300mm</b>
Design Cavity Width:	<b>220-244mm</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:	<b>0.22</b>
In Tension:	<b>0.3</b>
<b>Failure Modes:</b>	
In Compression:	<b>Bending of tie</b>
In Tension:	<b>Pull-out of tie</b>
<b>Water Shedding Capacity:</b>	<b>Resistant</b>
<b>Recommended Spacing:</b>	<b>As required</b>
<b>Durability</b>	
Material Coating Reference:	<b>3</b>
Steel Grade:	<b>1.4301/1.4401</b>
<b>Dangerous Substance</b>	<b>None</b>

Signed for and on behalf of the manufacturer by



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

Manufactured by:

**Leviat Limited**  
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 Sheffield, S4 7UR  
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