

## DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

**SD40, 151-275mm**

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

**UK  
CA**

|                            |                    |
|----------------------------|--------------------|
| <b>Declaration Number:</b> | <b>L0082-03-CA</b> |
|----------------------------|--------------------|

|                       |  |
|-----------------------|--|
| Intended Use:         | Wall tie for use with the Ancon 40/25 channel system to connect a new masonry leaf to an existing structure. Suitable for 95-219mm 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.

| <b>Essential Characteristics</b>           |                    |
|--|--------------------|
| Compressive Load Capacity (cavity +15mm):  | <b>760N</b>        |
| Compressive Load Capacity (design cavity): | <b>1360N</b>       |
| Tensile Load Capacity:                     | <b>3610N</b>       |
| <b>Capacities given for:</b>               |                    |
| Overall Wall Tie Length:                   | <b>151mm-275mm</b> |
| Design Cavity Width:                       | <b>95-219mm</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>0.89</b>            |
| In Tension:                              | <b>0.19</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  
 11th May 2023

Manufactured by:

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