

## DECLARATION OF PERFORMANCE

We hereby declare that the product range identified as,

### Ancon ST1 250mm

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

**UK  
CA**

|                            |                    |
|----------------------------|--------------------|
| <b>Declaration Number:</b> | <b>L0018-02-CA</b> |
|----------------------------|--------------------|

|                       |  |
|-----------------------|--|
| Intended Use:         | Type 1 wall tie for connecting two leaves of a cavity wall. Suitable for 101-125mm 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>2000N</b>     |
| Compressive Load Capacity (design cavity): | <b>2500N</b>     |
| Tensile Load Capacity (at min. embedment): | <b>2500N</b>     |
| <b>Capacities given for:</b>               |                  |
| Overall Wall Tie Length:                   | <b>250mm</b>     |
| Design Cavity Width:                       | <b>101-125mm</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:                          | 0.76             |
| In Tension:                              | 0.59             |
| <b>Failure Modes:</b>                    |                  |
| In Compression:                          | Bending of tie   |
| In Tension:                              | Bending of tie   |
| <b>Water Shedding Capacity:</b>          | Resistant        |
| <b>Recommended Spacing:</b>              | Refer to PD 6697 |
| <b>Durability</b>                        |                  |
| Material Coating Reference:              | 3                |
| Steel Grade:                             | 1.4301/1.4401    |
| <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