

## 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.

**UK  
CA**

|                            |                    |
|----------------------------|--------------------|
| <b>Declaration Number:</b> | <b>L0012-02-CA</b> |
|----------------------------|--------------------|

|                       |  |
|-----------------------|--|
| 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.

| <b>Essential Characteristics</b>          |                                   |
|---|-----------------------------------|
| Compressive Load Capacity (cavity +15mm): | <b>4130N</b>                      |
| Tensile Load Capacity (cavity):           | <b>3310N</b>                      |
| <b>Capacities given for:</b>              |                                   |
| Overall Wall Tie Length:                  | <b>150mm-225mm</b>                |
| Design Cavity Width:                      | <b>60mm-152.5mm (from fixing)</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>                    |
| <b>Displacement at 1/3 Load Capacity</b>  |                                   |

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|                                 |                    |
|---------------------------------|--------------------|
| In Compression:                 | 0.49               |
| In Tension:                     | 0.29               |
| <b>Failure Modes:</b>           |                    |
| In Compression:                 | Bending of tie     |
| In Tension:                     | Pull-out of mortar |
| <b>Water Shedding Capacity:</b> | Resistant          |
| <b>Recommended Spacing:</b>     | As required        |
| <b>Durability</b>               |                    |
| Material Coating Reference:     | 3/23               |
| 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  
 15th March 2023

Manufactured by;

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

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