

We hereby declare that the product range identified as,

# SD40, 125-150mm

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

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 45-94mm cavities.**

Notified Body: Lucideon Ltd, Queens Road, Penkhull, Stoke-on-Trent, Staffordshire, ST4 7LQ, United Kingdom  
Notified 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): **1050N**  
Compressive Load Capacity (design cavity): **1360N**  
Tensile Load Capacity (at min. embedment): **1800N**

## Capacities given for:

Overall Wall Tie Length: **125mm-150mm**  
Design Cavity Width: **45-69mm**  
Minimum Embedment Depth: **50mm**  
Minimum Cover to Face of Wall: **20mm**  
Minimum Mortar Joint Thickness: **10mm**  
Minimum Mortar Class: **Type M2**

## 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**

Authorised by:



Peter McDermott, Managing Director Europe West & APAC, on 1st January 2021 in Sheffield, UK.

Manufactured by Leviat

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