

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 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 95-219mm 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): **1790N**
 Tensile Load Capacity (at min. embedment): **1800N**

Capacities given for:

Overall Wall Tie Length: **151mm - 275mm**
 Design Cavity Width: **95-219mm**
 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: **0.89**
 In tension: **0.19**

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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