



# Declaration of Performance

Declaration Number:

L0035-01-CE

We hereby declare that the product range identified as,

## SD21 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 21/18 Omega channel system to connect a new masonry leaf to an existing structure. Suitable for 45-94mm cavities.**

Notified Body: Technical and Test Institute for Constructions Prague, Branch 0600 - Brno,  
Hněvkovského 77, 617 00 Brno - Komárov, Czech Republic  
Notified Body Number: 1020

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: **45-94mm**  
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: **0.38**  
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 4th May 2021 in Sheffield, UK.

Manufactured by Leviat

# Leviat

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