



Declaration of Performance

Declaration Number:

L0036-01-CE

We hereby declare that the product range identified as,

SD21 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 21/18 Omega channel system to connect a new masonry leaf to an existing structure. Suitable for 95-219mm 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): **650N**
Compressive Load Capacity (design cavity): **1790N**
Tensile Load Capacity (at min. embedment): **1100N**

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: **0.56**
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

A CRH COMPANY

Ancon Ltd trading as Leviat
President Way
President Park
Sheffield S4 7UR
United Kingdom

+44 (0)114 275 5224
info.ancon.uk@leviat.com
Ancon.co.uk | Leviat.com