



# Declaration of Performance

Declaration Number:

A0035-01-EN

ANCON hereby declares that the product range identified as,

## SD21 125-150mm

conforms to the provisions of, ZA Annex, BS EN 845-1:2013+A1:2016 as an 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: 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):	<b>1050N</b>
Compressive Load Capacity (design cavity):	<b>1360N</b>
Tensile Load Capacity (at min. embedment):	<b>1800N</b>

### Capacities given for:

Overall Wall Tie Length:	<b>125mm-150mm</b>
Design Cavity Width:	<b>45-94mm</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>

### Displacement at 1/3 Load Capacity

In compression:	<b>0.32</b>
In tension:	<b>0.3</b>

### Failure Modes:

In compression:	<b>Bending of tie</b>
In tension:	<b>Pull-out of tie</b>

<b>Water shedding capacity:</b>	<b>Resistant</b>
<b>Recommended spacing:</b>	<b>As required</b>

### Durability

Material Coating Reference:	<b>3</b>
Steel Grade:	<b>1.4301/1.4401</b>

<b>Dangerous Substance</b>	<b>None</b>
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Authorised by:

Stuart Maxwell, Managing Director, on 12th March 2018 in Sheffield, UK.

Manufactured by:

**Ancon**<sup>®</sup>

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