



Declaration of Performance

Declaration Number:

A0097-03-EN

ANCON hereby declares that the product range identified as,

SD25 100-150mm

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 25/14 channel system to connect a masonry leaf to light steel studwork, timber frame or concrete wall through a layer of insulation. See Ancon technical literature for fixing screw references (depending on substrate and insulation depth), and screw/wall tie vertical fixing centres (depending on tie type application).**

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): **1650N**
Tensile Load Capacity (at min. embedment): **1250N**

Capacities given for:

Overall Wall Tie Lengths: **100-150mm**
Design Cavity Widths: **59-109mm**
Minimum Embedment Depth: **50mm**
Minimum Cover to Face of Wall: **20mm**
Minimum Mortar Joint Thickness: **10mm**
Minimum Mortar Class: **M2**

Displacement at 1/3 Load Capacity

In compression: **1.12**
In tension: **0.82**

Failure Modes:

In compression: **Bending of tie**
In tension: **Pull out of tie**

Water shedding capacity: **Resistant**

Recommended spacing: **Refer to Ancon technical literature**

Durability

Material Coating Reference: **3**
Steel Grade: **1.4301/1.4401**

Dangerous Substance **None**

Authorised by:

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

Manufactured by:

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