



Declaration of Performance

Declaration Number:

A0037-01-EN

ANCON hereby declares that the product range identified as,

SD21 300mm

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 220-244mm 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):	650N
Compressive Load Capacity (design cavity):	1790N
Tensile Load Capacity (at min. embedment):	1100N

Capacities given for:

Overall Wall Tie Length:	300mm
Design Cavity Width:	220-244mm
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:	0.22
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
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Authorised by:

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

Manufactured by:

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