



Declaration of Performance

Declaration Number:

A0125-01-EN

ANCON hereby declares that the product range identified as,

Column Tie, 175/200/225mm

conforms to the provisions of, ZA Annex, BS EN 845-1:2013+A1:2016 as an Asymmetrical Wall Tie.

Intended Use: **Tie for connecting new masonry to an existing steel column flange. Suitable for cavities from 95mm-169mm.**

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): **1390N**
Compressive Load Capacity (design cavity): **3190N**
Tensile Load Capacity (at min. embedment): **1730N**

Capacities given for:

Overall Wall Tie Length: **225mm Max**
Design Cavity Width: **95-169mm**
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: **1.02**
In tension: **0.42**

Failure Modes:

In compression: **Bending of tie**
In tension: **Bending of tie at column attachment end**

Water shedding capacity: **Resistant**
Recommended spacing: **As required**

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.

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