



# Declaration of Performance

Declaration Number:

A0003-01-EN

ANCON hereby declares that the product range identified as,

## Staifix Cavity Starter Tie

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

Intended Use: **For connecting a new leaf of masonry to an existing structure. Suitable for cavities from 70-120mm**

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): **490N**  
Compressive Load Capacity (design cavity): **1380N**  
Tensile Load Capacity: **1320N**

### Capacities given for:

Overall Wall Tie Length: **180mm-230mm**  
Design Cavity Width: **70-120mm**  
Minimum Embedment Depth: **65-85mm mortar/40mm plug**  
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: **0.30**

### Failure Modes:

In compression: **Bending of tie**  
In tension: **Straightening 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:

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

Manufactured by:

**Ancon**<sup>®</sup>

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