

We hereby declare that the product range identified as,

ST1 350mm

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

Intended Use: **Type 1 wall tie for connecting two leaves of a cavity wall. Type 1 performance declared in M2 mortar.**

Approved Body: Lucideon Ltd, Queens Road, Penkhull, Stoke-on-Trent, Staffordshire, ST4 7LQ, United Kingdom
Approved 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): **2000N**
Tensile Load Capacity (at min. embedment): **2500N**

Capacities given for:

Overall Wall Tie Length: **350mm**
Design Cavity Width: **201-225mm**
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: **0.44**
In tension: **0.43**

Failure Modes:

In compression: **Bending of tie**
In tension: **5mm displacement**

Water shedding capacity: **Resistant**
Recommended spacing: **Refer to PD 6697**

Durability

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

Dangerous Substance **None**

Authorised by:



Peter McDermott, Managing Director Europe West & APAC, on 1st January 2021 in Sheffield, UK.

Manufactured by Leviat

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