

	<h2>Declaration of Performance</h2>	No.: 1121-1521-4.5
		EN 846-5:2012, EN 846-7:2012
<b>1. Product Type:</b> Unique identification code of the Product Type:	SURETWIST PLUS	
<b>2. Type Batch or serial Number or any other element allowing identification of the construction product as required under Article 11(4):</b>	SURETWIST PLUS 1121-04/1521-04 length 50mm - 1.000mm	
<b>3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as provided by the manufacturer.</b>	The product SURETWIST PLUS is a symmetrical helical wall tie used for structural applications, the connections of construction units and used for connection between external and internal parts of cavity walls.	
<b>4. Name, company, registered trade name or contact address of the manufacturer as required under Article 11(5):</b>	SURETWIST PLUS ®  Brutt Saver Hungary Kft. Pipis Hegy, 3200 Gyöngyös Hungary	
<b>5. Contact Address</b> Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):	Construction Products Solutions International Ltd. Unit 3 Haslemere Industrial Estate, Pig Lane, Bishops Stortford, Herts, CM23 3HG, United Kingdom  Tel +44 (0) 1279 505514 Fax +44 (0) 1279 755190	
<b>6. AVCP:</b> System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR Annex V:	System 3. ISO 9001:2015 No.: 03 QMS 1997e	
<b>7. Notified body (Harmonised EN):</b> In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:	Lucideon Ltd Notified Body No 1289 Test Reference No 15639 (QT33437/1/SL) Imperial College London, Testing Centre Lucideon Ltd. regarding a statement on the structural products properties to the standard EN ISO 6892-1:2009 EN 845-1:2013+A1:2016 EN 846-5:2012, EN 846-7:2012	
<b>8. Notified body (ETA)</b> In case of the declaration of performance concerning a construction product for which a European Technical Assessment (ETA) has been issued:	Not relevant (see 7)	

9. Declaration of performance:

**Product dimensions**

Dimension mm	Types
Length	50mm to 1.000mm
Diameter	4.5mm
Pitch	30mm

**Durability**

Type	Coating
SURETWIST Plus	Austenitic Stainless Steel

Information and regulated characteristics:

When the mentioned products are used in accordance with the instructions on the product installation leaflet, the product gives the characteristics as mentioned in the table below.

SURETWIST Plus / Characteristics			
Intended use	Structural Application		
Material	1.4301/1.4567 or 1.4401/1.4404		
Tensile strength	Diameter 4.5mm - 710N		
Profile Size mm	Area mm <sup>2</sup>	Yield Point N/mm <sup>2</sup>	E - Modul G Pa
4.5	7.8	804	154
Test Results (Compressive Loads)	Mortar to EN 772-1:2011+A1:2015 $\geq 40\text{N/mm}^2$ - 720N Timber (Coniferous) to EN 338 Density $\geq 600\text{ Kg/m}^3$ - 640N		
Movement Tolerance (Tensile & Compression value)	24mm Timber Shrinkage - 560N		
Bond strength	Described in Lucideon report 15639		
Water penetration resistance	Resistant		
Dangerous substances	No		

10. Declaration:

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

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