



## Declaration of Performance

No.: 1121-1521

EN 846-5:2012,  
EN 846-7:2012

1. Product Type: Unique identification code of the Product Type:	SURETWIST PLUS
2. Type Batch or serial Number or any other element allowing identification of the construction product as required under Article 11(4):	SURETWIST PLUS 6mm 1121-01/1521-01 (50mm - 1.000mm) SURETWIST PLUS 8mm 1121-02/1521-02 (50mm - 1.000mm) SURETWIST PLUS 10mm 1121-03/1521-03 (50mm - 1.000mm)
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as provided by the manufacturer.	The product SURETWIST PLUS is a symmetrical helical wall tie used for structural applications, the connection of construction units and used for connections between external and internal parts of cavity walls.
4. Name, company, registered trade name or contact address of the manufacturer as required under Article 11(5):	SURETWIST PLUS ®  Brutt Saver Hungary Kft. Pipis Hegy, 3200 Gyöngyös Hungary
5. Contact Address 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
6. AVCP: 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
7. Notified body (Harmonised EN): In case of the declaration of performance (DoP) concerning a construction product covered by a harmonised standard:	Building research institute ITB Katowice NB 1488 Issued Approval number - LOK-1118-A-08 Imperial College London, Testing Centre Lucideon Ltd. regarding a statement on the structural products properties subject to the standard EN ISO 6892-1:2009 EN 845-1:2013+A1:2016 EN 846-5:2012, EN 846-7:2012
8. Notified body (ETA) 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 1.000 mm
Diameter	6mm, 8mm, 10mm
Pitch	30±1 mm, 40±1 mm, 50±1 mm

**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	Min. declared value 880 MPa		
Profile Size mm	Area mm <sup>2</sup>	Yield Point N/mm <sup>2</sup>	E - Modul G Pa
6	8	745	156.269
8	10	745	148.813
10	13	955	146.114
Test Results (Tensile Loads)	Solid Clay Brick $\geq 10\text{N/mm}^2 \geq 400\text{kg/m}^3$ to EN 771-1+A1:2016 6mm 1000N, 8mm 1250N, 10mm 1500N. Mortar $\geq 27\text{N/mm}^2$ to EN 998-2:2017 6mm 1000N, 8mm 1250N, 10mm 1500N.		
Compressive Load	Calculated according to EN 1996		
Bond strength	Described in Report LOK-1118-A-08		
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.

Date of Issue: 02.05.2018	Page 2 of 2	Approved by:  General manager – Brutt Saver Gyöngyös – Hungary	
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