



# Declaration of Performance



DoP-h14/0007  
(Issue 1,0)

1. *Product Type:* Cavity Wall Starter Tie
2. *Identification:* WSTC
3. *Intended Use:* For connecting two walls together
4. *Manufacturer:* Simpson Strong-Tie Int. Ltd  
For local branch addresses refer to [www.strongtie.eu](http://www.strongtie.eu)
5. *Authorised Representative:* N/A
6. *System of Assessment:* 3
- 7, 8. *Technical Specifications & Notified Bodies:*

	Name	No.	System of Assessment	Document Reference	EAD (ETAG) No. EN Standard
Technical Assessment	LUCIDEON (Testing) Simpson Strong-Tie	1289 -	3 -	ITTR-14/0007	EN 845-1:2013
Factory Production Control	-	-	-	-	-

9. Declared Performance:

Essential Characteristics	Performance	Technical Specification
<b>RANGE</b>		
	<b>WSTC180, WSTC200, WSTC230</b>	
<b>MECHANICAL STRENGTH &amp; STIFFNESS</b>		
Compressive Strength (N)	2250	EN 845-1 clause 5.3.1.2.2; EN 846-6
Buckling or bending stiffness <sup>[1]</sup> (mm)	0.23	EN 845-1 clause 5.3.1.2.3; EN 846-6
Tensile Strength (N)	1560	EN 845-1 clause 5.3.1.2.1; EN 846-6
Buckling or bending stiffness <sup>[2]</sup> (mm)	0.06	EN 845-1 clause 5.3.1.2.3; EN 846-6
Shear Strength (N)	NPD	EN 845-1 clause 5.3.1.3.3; EN 846-7
Buckling or bending stiffness <sup>[3]</sup> (mm)	NPD	EN 845-1 clause 5.3.1.2.3; EN 846-6
Water Shedding Capability	RESISTANT	EN 845-1 clause 5.4
<b>DURABILITY</b>		
Material	Grade – 1.4301	EN 10088-2:2005
Corrosion Protection	Material/Coating Reference: 03	EN 845-1 Table A.1
Dangerous Substances	None	

<sup>[1]</sup> Mean Displacement at 1/3 of the Declared Compressive Strength.

<sup>[2]</sup> Mean Displacement at 1/3 of the Declared Tensile Strength.

<sup>[3]</sup> Mean Displacement at 1/3 of the Declared Shear Strength.

10. The performance of the products identified in points 1. & 2. is in conformity with the declared performance in point 9.  
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

**Laurent Versluysen**  
European Managing Director

(Sainte Gemme La Plaine, Fr. 19/09/2014)