# Declaration of Performance

DoP-h10/0016
(Issue 1,0)

1. *Product Type:* Dowel-type Timber Fasteners – Wood Screws

2. *Identification:* WSNTL and WSNTLG

3. *Intended Use:* For structural timber products

4. *Manufacturer:* Simpson Strong-Tie Int. Ltd.
For local branch addresses refer to 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 | Simpson Strong-Tie | 2209 | 3 | ITTR-10/0016 | EN14592:2012 |
| Factory Production Control | Simpson Strong-Tie | - | - | - | - |

9. Declared Performance:

| Essential Characteristics | Performance | Technical Specification |
|---|---|---|
| **MECHANICAL STRENGTH & STIFFNESS** | | |
| Yield Moment – $M_{y,k}$ (KNmm) | 3.6 | EN 14592 clause 6.3.4.1 – 6.3.4.2 Calculated to EN 1995-1-1 |
| Withdrawal Parameter – $f_{ax,k}$ (N/mm$^2$) | 9.4 | EN 14592 clause 6.3.4.3; Tested to EN 1382, characteristic timber density 350 kg/m$^3$ |
| Head Pull Through Parameter – $f_{head,k}$ (N/mm$^2$) | 15.7 | EN 14592 clause 6.3.4.4; Tested to EN 1383, characteristic timber density 350 kg/m$^3$ |
| Characteristic Tensile Capacity – $f_{tens,k}$ (kN) | 6.7 | EN 14592 clause 6.3.4.4; Tested to EN 1383, characteristic timber density 350 kg/m$^3$ |
| Characteristic Torsional Strength – $f_{tor,k}$ (Nm) | 6.4 | EN 14592 clause 6.3.4.5; Tested to EN ISO 10666, characteristic timber density 350 kg/m$^3$ |
| **DURABILITY** | | |
| Material | C18D | EN14592 clause 6.3.5; EN16120-2 |
| Corrosion Protection | No Corrosion Protection Required | Service classes 1 & 2 to EN 1995-1-1; Table 4.1 |

(NPD – No Performance Determined)

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. 21/06/2013)