



Declaration of Performance



DoP-h07/0003
(Issue 1,0)

1. *Product Type:* Masonry Joist Hanger
2. *Identification:* HJHM(I), HJHM(I)R, HJHM(I)S and SPEC HJHM(I)
3. *Intended Use:* To Support Timber Joists, Beams and Trussed Rafters from Masonry Walls
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 | Ceram Building Technology (Testing) Simpson Strong-Tie | 1289 - | 3 | ITTR-07/0003 | EN 845-1:2008 |
| Factory Production Control | Simpson Strong-Tie | - | - | - | - |

9. Declared Performance:

| Essential Characteristics | Performance | | | Technical Specification |
|--|--------------------------------|------------------------------|------------------------------|----------------------------------|
| | Masonry Type and Strength | | | |
| | AAC 2.8 N/mm ² | AAC 3.5 N/mm ² | DAC 7.0 N/mm ² | |
| MECHANICAL STRENGTH & STIFFNESS | | | | |
| WIDTHS: 40 – 74 mm (Joist installed using 3.75 x 30mm Square Twist Nails) | | | | |
| Load Bearing Capacity (N) | 16020 | 16020 | 30010 | EN845-1 clause 5.3.5.1, EN 846-8 |
| Displacement Under Load ^[1] (mm) | 1.09 | 1.09 | 1.07 | EN845-1 clause 5.3.5.2 |
| WIDTHS: 75 – 200 mm (Joist installed using 3.75 x 30mm Square Twist Nails) | | | | |
| Load Bearing Capacity (N) | 15980 | 29670 | 30010 | EN845-1 clause 5.3.5.1, EN 846-8 |
| Displacement Under Load ^[1] (mm) | 0.89 | 1.36 | 1.07 | EN845-1 clause 5.3.5.2 |
| WIDTHS: 91 – 200 mm (Joist installed using 4.00 x 90mm Round Wire Nails) | | | | |
| Load Bearing Capacity (N) | 15980 | 29670 | 41760 | EN845-1 clause 5.3.5.1, EN 846-8 |
| Displacement Under Load ^[1] (mm) | 0.89 | 1.36 | 1.34 | EN845-1 clause 5.3.5.2 |
| WIDTHS: 201 – 300 mm (Joist installed using 3.75 x 30mm Square Twist Nails) | | | | |
| Load Bearing Capacity (N) | 15110 | 15110 | 37610 | EN845-1 clause 5.3.5.1, EN 846-8 |
| Displacement Under Load ^[1] (mm) | 1.13 | 1.13 | 1.82 | EN845-1 clause 5.3.5.2 |
| DURABILITY | | | | |
| Material | Steel Grade DX51D or S250GD | | | EN845-1 Clause 5.6; EN 10346 |
| Corrosion Protection | Material/Coating Reference: 15 | | | EN 845-1 Table A.1 |
| Dangerous Substances | None | | | |

^[1] At 1/3 of Declared Load Bearing Capacity

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 Verluysen
European Managing Director

(Sainte Gemme La Plaine, Fr. 01/03/2013)