

## Declaration of Performance No. 5184-2590-546

1. Product Type Dowel type Timber Fasteners - Wood Screws
2. Type and Batch TimberDrive screws identified by Batch No. on the box
3. Intended Use Structural timber connections
4. Manufacturer Hexstone Ltd t/a Owlett-Jaton, Opal Way, Stone ST15 0SW, Factory 546
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Certificate number 5-3-2013-B  
Tests carried out by SHR, Nieuwe Kanaal 9b, PO Box 497, NL 6700 AL Wageningen The Netherlands, Notified Body No. 2590 to EN14592:2008 + A1:2012
8. D o P for ETA N/A

9. Declaration of Performance

| Essential Characteristics and Dimensions |            |                   |                |
|--|------------|-------------------|----------------|
| Nominal Diameter                         | $d_{nom}$  | mm                | 7.0            |
| Material                                 |            |                   | C1022 or 10B21 |
| Head Diameter                            | <i>Min</i> | mm                | 14.5           |
|  | <i>Max</i> | mm                | 15.2           |
| Across Flats                             | <i>Min</i> | mm                | 7.98           |
|  | <i>Max</i> | mm                | 7.80           |
| Outside Diameter                         | <i>Min</i> | mm                | 7.00           |
|  | <i>Max</i> | mm                | 6.80           |
| Inner Thread Diameter                    | <i>Min</i> | mm                | 4.8            |
|  | <i>Max</i> | mm                | 4.9            |
| Nominal Thread Length                    | 75         | mm                | 38             |
|  | 90         | mm                | 50             |
|  | 100        | mm                | 50             |
|  | 150        | mm                | 50             |
|  | 200        | mm                | 50             |
|  | 250        | mm                | 50             |
| Characteristic yield moment              | $M_{y,k}$  | N/mm <sup>2</sup> | 23008          |
| Characteristic withdrawal parameter      | $F_{ax,k}$ | N/mm <sup>2</sup> | 12.5           |
| Loading across fibres                    | $P_k$      | kg/m <sup>3</sup> | 450            |

| Essential Characteristics and Dimensions                 |  |                   |       |
|--|--|-------------------|-------|
| Nominal Diameter   | $d_{nom}$                                    | mm                | 7.0   |
| Characteristic head pull-through in Okoume plywood, 18mm | $F_{head,k}$                                 | N/mm <sup>2</sup> | 25    |
|  | $P_k$  | kg/m <sup>3</sup> | 525   |
| Characteristic tensile capacity                          | $F_{tens,k}$                                 | N/mm <sup>2</sup> | 414.4 |
| Characteristic torsional resistance in Spruce WMC 13%    | $R_{tor,k}$                                  | Nm                | 3.6   |
|  | $Pk$   | kg/m <sup>3</sup> | 450   |
| Characteristic torsional ratio                           |  |                   | 6.75  |
| Coating  | Magni 599                                    |                   |       |
|  | Service condition 3 according to EN 1995-1-1 |                   |       |

The previous performance relates to the following product range


| Product Code      | Diam | Length |
|-------------------|------|--------|
|                   | mm   | mm     |
| Timberdrive 7x75  | 7    | 75     |
| Timberdrive 7x90  | 7    | 90     |
| Timberdrive 7x100 | 7    | 100    |
| Timberdrive 7x150 | 7    | 150    |
| Timberdrive 7x200 | 7    | 200    |
| Timberdrive 7x250 | 7    | 250    |

#### Amendments

| Amendment  | Date       |
|--|------------|
| EN14592:2008 + A1:2013 corrected to EN14592:2008 + A1:2012 | 06/08/2017 |
| Notified body amended                                      | 15/10/2018 |

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

Signed on behalf of the manufacturer

| Name and Function                | Place and Date                | Signature   |
|----------------------------------|-------------------------------|---|
| Steve Phillips                   | Stone, Staffordshire ST15 0SW |  |
| Hexstone Company Quality Manager | 12th June 2023                |   |