

Declaration of Performance No. 5004-1015-555

1. Product Type Dowel type Timber Fasteners - Wood Screws
2. Type and Batch Unifix Twin Thread woodscrews 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 555
5. Authorised Representative N/A
6. System of Assessment System 3
7. Technical Assessment and Notified Bodies Test Certificate numbers 30-990021/1, 30-9900/2, 30-9900/3, 30-9900/4
Tests carried by Strjirensky zkusebni ustac s.p. Jablonec nad Nisou. to EN 14592+A1:2012 Notified Body No. 1015
8. D o P for ETA N/A

9. Declaration of Performance Essential Characteristics and Dimensions

| | | | | | | | | |
|--|-----------------------|-------------------|----------------|-------|-------|-------|-------|--------|
| Nominal Diameter | d_{nom} | mm | 2.9 | 3.5 | 3.9 | 4.2 | 4.8 | 5.5 |
| | d_{nom} | g | 4 | 6 | 7 | 8 | 10 | 12 |
| Material | | | C1018 or C1022 | | | | | |
| Head Diameter | Min | mm | 5.21 | 6.55 | 7.24 | 7.93 | 9.27 | 10.62 |
| | Max | mm | 5.49 | 6.91 | 7.62 | 8.33 | 9.75 | 11.18 |
| Inner Thread Diameter | Nominal | mm | 1.65 | 2.16 | 2.41 | 2.77 | 3.15 | 3.61 |
| Thread Length | $\leq 1\frac{1}{4}$ " | mm | Full | Full | Full | Full | Full | Full |
| | $1\frac{1}{2}$ " | mm | 30 | 30 | 30 | 30 | 30 | 30 |
| | $1\frac{3}{4}$ " | mm | | 30 | 30 | 30 | 30 | 30 |
| | 2" | mm | | 37 | 37 | 37 | 37 | 37 |
| | $2\frac{1}{4}$ " | mm | | | | 37 | 37 | 37 |
| | $2\frac{1}{2}$ -3" | mm | | | | 50 | 50 | 50 |
| | $3\frac{1}{2}$ " | mm | | | | | 67 | 67 |
| | 4" | mm | | | | | 70 | 70 |
| Characteristic yield moment | $M_{y,k}$ | Nmm | 1 578 | 3 449 | 3 387 | 4 501 | 6 888 | 13 582 |
| Characteristic withdrawal parameter Loading across fibres | $F_{ax,k}$ | N/mm ² | 19,14 | 18,45 | 18,70 | 18,92 | 19,95 | 18,22 |
| | P_k | kg/m ³ | 420 | 420 | 420 | 420 | 420 | 420 |
| Characteristic withdrawal parameter Loading along fibres | $F_{ax,k}$ | N/mm ² | 14,90 | 13,59 | 13,77 | 14,32 | 13,51 | 13,65 |
| | P_k | kg/m ³ | 420 | 420 | 420 | 420 | 420 | 420 |

Essential Characteristics and Dimensions

| | | | | | | | | |
|-------------------------------------|---|-------------------|-------|-------|-------|-------|-------|-------|
| Nominal Diameter | d_{nom} | mm | 2.9 | 3.5 | 3.9 | 4.2 | 4.8 | 5.5 |
| | d_{nom} | g | 4 | 6 | 7 | 8 | 10 | 12 |
| Characteristic head pull-through | $F_{head,k}$ | N/mm ² | 26.48 | 25.34 | 25.94 | 24.46 | 21.13 | 20.34 |
| | P_k | kg/m ³ | 420 | 420 | 420 | 420 | 420 | 420 |
| Characteristic tensile capacity | $F_{tens,k}$ | kN | 1,81 | 4.79 | 6,56 | 5,76 | 8,36 | 15,15 |
| Characteristic torsional strength | $F_{tor,k}$ | Nm | 1,70 | 3.12 | 4,15 | 4,71 | 6,07 | 16,11 |
| Characteristic torsional resistance | $R_{tor,k}$ | Nm | 0,68 | 1,08 | 1,37 | 2,33 | 3,33 | 4,58 |
| | Pk | kg/m ³ | 420 | 420 | 420 | 420 | 420 | 420 |
| Characteristic torsional ratio | | | 2,48 | 2,90 | 3,04 | 2,02 | 1,83 | 2,86 |
| Durability | Zinc plated Service condition 1 according to EN 1995-1-1 | | | | | | | |

The previous performance relates to the following product range

| Product Code | Diam | Length |
|--------------|-------|--------|
| | Gauge | Inches |
| V60010 | 6 | 1 |
| V60011 | 6 | 1¼ |
| V60012 | 6 | 1½ |
| V60013 | 6 | 1¾ |
| V60014 | 6 | 2 |
| V60022 | 8 | ¾ |
| V60024 | 8 | 1 |
| V60025 | 8 | 1¼ |
| V60026 | 8 | 1½ |
| V60027 | 8 | 1¾ |
| V60028 | 8 | 2 |
| V60029 | 8 | 2¼ |
| V60030 | 8 | 2½ |
| V60031 | 8 | 3 |
| J10928 | 10 | ¾ |
| V60033 | 10 | 1 |
| V60034 | 10 | 1¼ |

| Product Code | Diam | Length |
|--------------|------|--------|
| | mm | mm |
| V60035 | 10 | 1½ |
| V60036 | 10 | 1¾ |
| V60037 | 10 | 2 |
| V60038 | 10 | 2¼ |
| V60039 | 10 | 2½ |
| V60040 | 10 | 3 |
| V60041 | 10 | 3½ |
| V60042 | 10 | 4 |
| V60043 | 12 | 1 |
| V60044 | 12 | 1¼ |
| V60045 | 12 | 1½ |
| V60046 | 12 | 1¾ |
| V60047 | 12 | 2 |
| V60049 | 12 | 2½ |
| V60050 | 12 | 3 |
| V60051 | 12 | 3½ |
| V60052 | 12 | 4 |


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

Ammendments

| | | |
|---|---|------------|
| 1 | Units for Characteristic Yield Moment changed from N/mm ² to Nmm | 18/02/2020 |
| | | |

Signed on behalf of the manufacturer

| Name and Function | Place and Date | Signature |
|---------------------|----------------|--|
| Nick Horton | Stone |  |
| Purchasing Director | 21/2/20 | |