

Declaration of Performance LE 001A

according to Regulation (EU) no. 305/2011

| General data | | | | | | | | | |
|---|--|--|-------|--------|--------|--------|--------|--------|-------------------------------|
| Product | Stardrive, HBS RAPID® and RAPID® Dual screws | | | | | | | | |
| Coding acc. to Annex 0 of ETA | dddLLL/bbb _____ see label | | | | | | | | |
| Tracking number | Et. Nr. _____ see label | | | | | | | | |
| Types | Product characteristics according to ETA-12/0373 Table A6.1ff | | | | | | | | |
| Intended use | Screws as timber fasteners for load-carrying timber structures | | | | | | | | |
| Manufacturer | Schmid Schrauben Hainfeld GmbH, A-3170 Hainfeld, Landstal 10, www.schrauben.at | | | | | | | | |
| System | 3 | | | | | | | | |
| Technical assessment body | Austrian Institute of Construction Engineering (OIB) | | | | | | | | |
| European assessment document | EAD 130118-00-0603 | | | | | | | | |
| European technical assessment | ETA-12/0373 | | | | | | | | |
| Declared performances | | | | | | | | | |
| Dimension d | mm | Ø 4,0 | Ø 4,5 | Ø 5,0 | Ø 6,0 | Ø 8,0 | Ø 10,0 | Ø 12,0 | |
| Essential characteristics | Unit | Performance (pk = 350 kg/m³, e.g. C24) | | | | | | | European technical assessment |
| Tensile strength $f_{tens, k}$ | kN | 5,0 | 5,8 | 8,5 | 12,4 | 22,0 | 32,0 | 42,0 | ETA-12/0373 |
| Yield moment $M_{y, k}$ | Nm | 3,2 | 4,9 | 6,5 | 10,1 | 22,6 | 33,0 | 46,9 | ETA-12/0373 |
| Withdrawal parameter $f_{ax, k, 90^\circ}$ | N/mm² | 14,8 | 13,8 | 12,8 | 12,1 | 10,9 | 9,8 | 8,9 | ETA-12/0373 |
| Yield strength $f_{y, k}$ | N/mm² | 900 | 900 | 900 | 900 | 900 | 900 | 900 | ETA-12/0373 |
| Torsional strength $f_{tor, k}$ | Nm | 3,0 | 4,2 | 6,2 | 9,5 | 24,8 | 44,8 | 59,6 | ETA-12/0373 |
| Corrosion protection | Service class | I | II | II | II | II | II | II | EN 1995-1-1 |
| Countersunk-head head diameter d_k | mm | Ø 8,0 | Ø 9,0 | Ø 10,0 | Ø 12,0 | Ø 15,0 | Ø 18,5 | Ø 20,0 | |
| Head pull-through parameter $f_{head 90^\circ, k}$ | N/mm² | 17,1 | 17,6 | 14,6 | 14,6 | 12,4 | 12,2 | 10,3 | ETA-12/0373 |
| Dual-head head diameter $d_k = SW$ | mm | - | - | - | Ø 9,0 | Ø 12,0 | Ø 15,0 | Ø 17,0 | |
| Head pull-through parameter $f_{head 180^\circ, k}$ | N/mm² | - | - | - | 16,0 | 16,5 | 16,7 | 17,1 | ETA-12/0373 |
| Washer-head head diameter d_k | mm | - | - | Ø 14,0 | - | - | - | - | |
| Head pull-through parameter $f_{head 180^\circ, k}$ | N/mm² | - | - | 16,7 | - | - | - | - | ETA-12/0373 |

The performance of the above-mentioned products is in conformity with the performance declared. The manufacturer is solely responsible for the preparation of the declaration of performance.

Signed for the manufacturer on the manufacturer's behalf:



Dr. Johann Scheibenreiter
 Authorised representative

Hainfeld, 03.11.2017

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