

DECLARATION of PERFORMANCE

DoP No.: 3-0203-12-04

1. Unique Identification Code of the Product-Type: TENZ® Wood Screw
 2. Intended Use/es: Screws used for connections in timber constructions
 3. Manufacturer: TENZ GmbH
 8042 Graz Schmiedlstraße 1
 Austria
 www.tenz.at
 4. Authorized Representative: not relevant
 5. System/s of AVCP: System 3
 6a) -
 6b) -
 European Assessment Document: EAD 130118-01-0603 of 02.2019
 European Technical Assessment: ETA-20/0421 of 23.11.2022
 Technical Assessment Body: ETA Danmark
 Notified Body/ies: -



7. Declared Performances

| Essential Characteristics | Performance Declared | | | | Harmonized Technical Specification |
|---|--|-----|-----|-----|------------------------------------|
| | 3,5 | 4,0 | 4,5 | 5,0 | |
| Nominal Diameter d [mm] | 3,5 | 4,0 | 4,5 | 5,0 | ETA-20/0421 Annex A |
| Yield Moment M _{y,k} [Nm] | 2,3 | 2,4 | 3,4 | 5,4 | EAD 130118-01-0603 |
| Bending Angle BW [°] | NPD | | | | EAD 130118-01-0603 |
| Charact. Withdrawal Parameter f _{ax,k} [N/mm ²] at 350 kg/m ³ | 12,0 | | | | EAD 130118-01-0603 |
| Charact. Head Pull-through Parameter Countersunk 90° f _{head,k} [N/mm ²] at 350 kg/m ³ t: <12 / 12-20 / >20 mm | 7,5 / 7,5 / 12 | | | | EAD 130118-01-0603 |
| Charact. Head Pull-through Parameter other heads f _{head,k} [N/mm ²] at 350 kg/m ³ t: <12 / 12-20 / >20 mm | 7,5 / 7,5 / 9,4 | | | | EAD 130118-01-0603 |
| Charact. Tensile Strength f _{tens,k} [kN] | 4,0 | 5,0 | 6,0 | 8,0 | EAD 130118-01-0603 |
| Charact. Yield Strength f _{y,k} [N/mm ²] | NPD | | | | EAD 130118-01-0603 |
| Charact. Torsional Strength f _{tor,k} [Nm] | 2,0 | 3,2 | 4,2 | 6,0 | EAD 130118-01-0603 |
| Charact. Insertion Moment R _{tor,mean} [Nm] | NPD | | | | EAD 130118-01-0603 |
| Torsional Ratio f _{tor,k} /R _{tor,mean} | ≥ 1,5 | | | | EAD 130118-01-0603 |
| Spacing End and Edge Distances and Minimum Thickness of Timber | For cross laminated timber (CLT) acc. to ETA: Face: a1=4·d a2=2,5·d a3,c=6·d a3,t=6·d a4,c=2,5·d a4,t=6·d Edge: a1=10·d a2=4·d a3,c=7·d a3,t=12·d a4,c=3·d a4,t=6·d For all other applications and for minimum thickness s. EN 1995-1-1 | | | | EAD 130118-01-0603 EN 1995-1-1 |
| Slip Modulus K _{ser} [N/mm] | K _{ser} = 25 * d * l _{ef} | | | | EAD 130118-01-0603 |
| Durability [Class] | 1 | | 2 | | EN 1995-1-1 |
| Reaction to Fire [Class] | A1 | | | | EAD 130118-01-0603 |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: not relevant

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Graz, Nov. 2022

Place, Date

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Signature