

Declaration of Performance

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C2 Tongue-Fix Premium Screws



Material - Carbon Steel (C1022)

Head Type - Reduced Countersunk

Screw Diameter (mm) - 3.5

We hereby declare these designated products have performed initial type testing under system 3, Annex V of the regulation (EU) no. 305/2011 (Construction Products Regulation), with the reference to the harmonised European standard (hEN) BS EN 14592:2008+A1:2012 (Timber structures - Dowel type fasteners - Requirements) for screws intended for the use in "load bearing timber structures" and produced the calculation/test reports as attached;

The initial type testing has been carried out by independent notified body;
Strojirensky Zkusebni Ustav, NB # 1015, Hudcova 424/56B, 621 00 Brno-Medlánky, Czechia

Certificate Number: E-30-20234-15

Test Report Number: No. 30-10509

Factory Process Control (FPC) has been established by the factory.

This declaration is valid until there is a significant change in the product and declared characteristics.
ie. raw material or change in production process.

This declaration is the responsibility of the importer ; T.I.Midwood & Co. Ltd.

Simon Midwood

Managing Director

TIMCO House
2015

2015

Name

Position

Signature

Location & Date

Test Year

Declaration of Performance

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C2 Tongue-Fix Premium Screws Reduced Countersunk Head - Ø3.5mm

Material & Geometry

| | |
|----------------------------|----------------------|
| Material | Carbon Steel (C1022) |
| Screw diameter (mm) | 3.5 |
| Head diameter (mm) | 4.66 |
| Inner thread diameter (mm) | 2.22 |

Mechanical Strength & Stiffness

| | |
|--|-------|
| Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409 | 2253 |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 370\text{kg/m}^3$ | 16.08 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 370\text{kg/m}^3$ | 11.11 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm ²] in acc. to EN 1383 with density of wood $\rho_k = 450\text{kg/m}^3$ | 22.94 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383 | 4.56 |
| Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$ | 4.01 |

Durability

| | |
|----------------------|-------------------------------------|
| Coating (Finish) | Zinc or Yellow |
| Corrosion protection | Service Class 1 acc. to EN 1995-1-1 |