

Declaration of Performance

No. DOP-01-IDD-01 / Page 1 of 2

C2 Deck-Fix Premium Screws



Material - Carbon Steel (C1018/C1022)

Head Type - Double Countersunk

Screw Diameter (mm) - 4.5

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-30-20176-16

Test Report Number: No. 30-10743

Factory Process Control (FPC) has been established by the factory and independently audited by TUV Rheinland UK in accordance with ISO9001.

This declaration of conformity 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
2016

2016

Name

Position

Signature

Location & Date

Test Year

Declaration of Performance

C2 Deck-Fix Premium Screws Double Countersunk Head - Ø4.5mm

Material & Geometry

Material	Carbon Steel (C1018/C1022)
Screw diameter (mm)	4.5
Head diameter (mm)	7.98
Inner thread diameter (mm)	2.70

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 15° [Nmm] (thread section) in acc. to EN 409	4242
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 400\text{kg/m}^3$	16.00
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm ²] in acc. to EN 1382 with density of wood $\rho_k = 400\text{kg/m}^3$	12.34
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm ²] in acc. to EN 1383 with density of wood $\rho_k = 350\text{kg/m}^3$	20.15
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	6.22
Characteristic torsional ratio in acc. to EN 15737 with density of wood $\rho_k = 450\text{kg/m}^3$	3.55

Durability

Coating (Finish)	Green Organic
Corrosion protection	Service Class 3 acc. to EN 1995-1-1