

# Declaration of Performance

No. DOP-01-COL-04-T2008 / Page 1 of 3

## Collated Solo Woodscrews



Material - Carbon Steel (C1022)

Head Type - Double Countersunk

Screw Diameter (mm) - 4.2, 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-30-20526-17 &amp; E-30-20526-17

Test Report Number: No. 30-11187/1 &amp; 30-11187/2

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  
2016

2016

Name

Position

Signature

Location &amp; Date

Test Year

# Declaration of Performance

No. DOP-01-COL-04-T2008 / Page 2 of 3

## Collated C2 Deck-Fix Premium Screws Double Countersunk Head - Ø4.2mm

### Material & Geometry

|                            |                      |
|----------------------------|----------------------|
| Material                   | Carbon Steel (C1022) |
| Screw diameter (mm)        | 4.2                  |
| Head diameter (mm)         | 8.2                  |
| Inner thread diameter (mm) | 2.75                 |

### Mechanical Strength & Stiffness

|                                                                                                                                                                       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Characteristic yield moment $M_{y,k}$ at 16° [Nmm] (thread section) in acc. to EN 409                                                                                 | 5346  |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382<br>with density of wood $\rho_k = 350\text{kg/m}^3$ | 18.02 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382<br>with density of wood $\rho_k = 350\text{kg/m}^3$  | 13.03 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383<br>with density of wood $\rho_k = 350\text{kg/m}^3$                   | 20.28 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383                                                                                                  | 7.85  |
| Characteristic torsional ratio in acc. to EN 15737<br>with density of wood $\rho_k = 450\text{kg/m}^3$                                                                | 5.36  |

### Durability

|                      |                                         |
|----------------------|-----------------------------------------|
| Coating (Finish)     | Yellow coating                          |
| Corrosion protection | Service Class 1 & 2 acc. to EN 1995-1-1 |

# Declaration of Performance

No. DOP-01-COL-04-T2008 / Page 3 of 3

## Collated C2 Deck-Fix Premium Screws Double Countersunk Head - Ø4.2mm

### Material & Geometry

|                            |                      |
|----------------------------|----------------------|
| Material                   | Carbon Steel (C1022) |
| Screw diameter (mm)        | 4.5                  |
| Head diameter (mm)         | 8.3                  |
| Inner thread diameter (mm) | 2.95                 |

### Mechanical Strength & Stiffness

|                                                                                                                                                                       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| Characteristic yield moment $M_{y,k}$ at 15° [Nmm] (thread section) in acc. to EN 409                                                                                 | 5610  |
| Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382<br>with density of wood $\rho_k = 350\text{kg/m}^3$ | 18.22 |
| Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1382<br>with density of wood $\rho_k = 350\text{kg/m}^3$  | 13.08 |
| Characteristic head pull-through parameter $f_{tens,k}$ [N/mm <sup>2</sup> ] in acc. to EN 1383<br>with density of wood $\rho_k = 350\text{kg/m}^3$                   | 21.50 |
| Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383                                                                                                  | 8.11  |
| Characteristic torsional ratio in acc. to EN 15737<br>with density of wood $\rho_k = 450\text{kg/m}^3$                                                                | 4.75  |

### Durability

|                      |                                         |
|----------------------|-----------------------------------------|
| Coating (Finish)     | Yellow coating                          |
| Corrosion protection | Service Class 1 & 2 acc. to EN 1995-1-1 |