Date: 22/03/2022

v1

Declaration of Performance

Blackjax Woodscrews

CE

Material - Carbon Steel (C1018 & C1022)

Head Type - Round

Screw Gauge (imp) - 6, 8, 10

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-30-20084-13, E-30-20086-13 & E-30-20087-13
Test Report Number: No. 30-9807/2, No. 30-9807/4 & No. 30-9807/5

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

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

Simon Midwood	Managing Director		TIMCO House 2013	2013
Name	Position	Signature	Location & Date	Test Year

Declaration of Performance

Blackjax Woodscrews

Round Head - 6g

Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	6
Head diameter (mm)	6.55
Inner thread diameter (mm)	2.30

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 18° [Nmm] (thread section) in acc. to EN 409	2654
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	18.91
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	13.80
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 420kg/m³	33.77
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	4.53
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	3.02

Durability

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

Declaration of Performance

Blackjax Woodscrews

Round Head - 8g

Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	8
Head diameter (mm)	7.97
Inner thread diameter (mm)	2.70

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 17° [Nmm] (thread section) in acc. to EN 409	4860
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	19.09
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	10.45
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 415kg/m³	27.06
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	7.76
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	2.75

Durability

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

Declaration of Performance

Blackjax Woodscrews

Round Head - 10g

Material & Geometry

Material	Carbon Steel (C1018 & C1022)
Screw gauge (imp)	10
Head diameter (mm)	9.18
Inner thread diameter (mm)	3.25

Mechanical Strength & Stiffness

Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (thread section) in acc. to EN 409	7657
Characteristic yield moment $M_{y,k}$ at 14° [Nmm] (smooth section) in acc. to EN 409	10044
Characteristic withdrawal parameter (loading across the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	20.62
Characteristic withdrawal parameter (loading along the fibre) $f_{ax,k}$ [N/mm²] in acc. to EN 1382 with density of wood ρ_k = 470kg/m³	11.97
Characteristic head pull-through parameter $f_{tens,k}$ [N/mm²] in acc. to EN 1383 with density of wood ρ_k = 425kg/m³	27.06
Characteristic tensile capacity $f_{tens,k}$ [kN] in acc. to EN 1383	8.89
Characteristic torsional ratio in acc. to EN 15737 with density of wood ρ_k = 450kg/m³	2.32

Durability

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