



Declaration of Performance

ForgeFast Woodscrew

Document Number:
(1015-CPR-30-10956/1-6)

1. Unique identification code of the product-type:

ForgeFast Woodscrew

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Head: doubleflat. Recess: Torx, Pozi. Full/Partial Thread. Material 10B21

3. Intended use or uses of the construction product, in accordance with the applicable harmonised/designated technical specification, as foreseen by the manufacturer:

Load-bearing structural timber products

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

Tucks Fasteners Ltd. Century Bus. Park, 10 St Margaret's Rd, Dublin, D11 TN80, IE.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

AVCP System 3

7. Harmonised / Designated standard:

EN 14592:2008+A1:2012

8. Notified body/ies:

Strojirensky zkusebni,s.p. Notified Body Number: 1015

European Technical Assessment: N/A

9. Declared performance/s:

ForgeFast Woodscrew 3.0mm

Product	Characteristic yield moment My,k [Nmm]	Characteristic withdrawal parameter fa,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
		Loading across the fibre	Loading along the fibre			
Woodscrew 3.0mm	1 401	19,86	13,81	27,75	2,02	2,39
Characteristic density of wood Pk [kg/m ³]	-	35°		35°	-	45°
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 acc. To EN 1995-1-1)					

ForgeFast Woodscrew 3.5mm

Product	Characteristic yield moment My,k [Nmm]	Characteristic withdrawal parameter fa,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
		Loading across the fibre	Loading along the fibre			
Woodscrew 3.5mm	2 246	18,66	13,24	25,61	4,75	2,20
Characteristic density of wood Pk [kg/m ³]	-	35°		35°	-	45°
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)					

ForgeFast Woodscrew 4.0mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]		Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	-	-	Loading across the fibre	Loading along the fibre	-	-		
Woodscrew 4.0mm	3 490	-	19,01	13,39	24,85	-	6,31	3,17
Characteristic density of wood Pk [kg/m ³]	-	-	350	-	350	-	-	450
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 acc. To EN 1995-1-1)							

ForgeFast Woodscrew 4.5mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]		Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	Thread section	Smooth section	Loading across the fibre	Loading along the fibre	Double flat head	Trim head		
Woodscrew 4.5mm	5 627	9 235	19,86	14,31	24,47	28,52	8,52	3,07
Characteristic density of wood Pk [kg/m ³]	-	-	350	-	350	-	-	450
Durability (corrosion protection)	Cr ₃ +, yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)							

ForgeFast Woodscrew 5.0mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	Thread section	Smooth section	Loading across the fibre	Loading along the fibre	-	-	-
Woodscrew 5.0mm	7 103	12 274	19,32	14,39	24,02	10,10	3,06
Characteristic density of wood Pk [kg/m ³]	-		35°		35°	-	45°
Durability (corrosion protection)	Cr ₃₊ , yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)						

ForgeFast Woodscrew 6.0mm

Product	Characteristic yield moment My,k [Nmm]		Characteristic withdrawal parameter fax,k [N/mm ²]		Characteristic head pull-through parameter fhead,k [N/mm ²]	Characteristic tensile capacity ftens,k [kN]	Characteristic torsional ratio
	-		Loading across the fibre	Loading along the fibre	-	-	-
Woodscrew 6.0mm	10 575		17,01	12,55	21,59	13,10	4,11
Characteristic density of wood Pk [kg/m ³]	-		35°		35°	-	45°
Durability (corrosion protection)	Cr ₃₊ , yellow/zinc plated, nano high corrosion resistance, min. 3 µm (Service Class 1 and 2 acc. To EN 1995-1-1)						

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of:

ForgeFix Ltd.

Place of issue:

ForgeFix Ltd. Galleon Blvd, Crossways Bus. Park, Dartford, Kent DA2 6QE, UK.

Date of issue:

01/01/2021

Name:

Anthony Armitt

Position:

Commercial Director

Signature:

A handwritten signature in black ink, appearing to read 'A. Armitt', is written over a horizontal dashed line.