

DECLARATION of PERFORMANCE

NR 02/US4.5/E-30-20324-17/2017



1. *Unique identification code of the product-type:* **Wood screws Unix type US ϕ 4.5**
Full thread L = (25 ÷ 50)mm
Partial thread L=(40 ÷ 80)mm; L_g=(20 ÷ 55) mm;
Steel grade C1018 or C1022 according to American standard AISI
2. *Intended use:* **Screws US ϕ 4,5 are intended for fixing of wood**
3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:*
Marcopol Sp. z o.o. Producent Śrub, street Oliwska 100, 80-209 Chwaszczyno
4. *System or systems of assessment and verification of constancy of performance of the construction product:*
System "3" of assessment
5. *Declaration of performance concerning by a harmonized standard:* **EN 14592:2008 + A1:2012 Tab. ZA.1,**
Name and identification number of the notified body: **Strojirenský zkušební ústav, s.p. Brno, Czech Republic, No. 1015**
6. *Declared performance:*

Essential characteristic	Performance od product acc. E-30-20324-17		Harmonised specification
	Threaded part	Non threaded part	
Characteristic yield moment $M_{y,k}$ [Nmm]	4825	8381	EN 1995-1-1
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²] – for characteristic density of wood 350 kg/m ³	Perpendicular to the grain	Paraller to the grain	EN 1995-1-1
	19.67	13.83	
Characteristic head pull- through parameter $f_{head,k}$ [N/mm ²] – for density of wood 350 kg/m ³	23.33		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	7.16		EN 1383

Characteristic torsional ratio for density of wood 450 kg/m ³	1.95	EN ISO 10666 EN 14592 +A1 annex B
Class of reaction to fire	A1	EN 13501-1
Zinc coating thickness:	min. 5 µm (service class 1)	EN 1995-1-1

7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6

This declaration of performance is issued according to CPR 305/2011 under the sole responsibility of the manufacturer identified in point 3.

Chwaszczyno, 24.08.2017.

Signed by:

R&D Director
Dyrektor Działu Rozwoju
Produktów


Janusz Kabata
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