

**DECLARATION of PERFORMANCE**

**NR 02/US5.0/E-30-20325-17/2017**



1. *Unique identification code of the product-type:* **Wood screws Unix type US  $\phi$ 5.0**  
**Full thread L = (20 ÷ 60)mm**  
**Partial thread L=(40 ÷ 120)mm; L<sub>g</sub>=(20 ÷ 70) mm;**  
**Steel grade C1018 or C1022 according to American standard AISI**
2. *Intended use:* **Screws US $\phi$ 5,0 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-30-20325-17		Harmonised specification
	Threaded part	Non threaded part	
Characteristic yield moment $M_{y,k}$ [Nmm]	7 921	12 926	EN 1995-1-1
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ] – for characteristic density of wood 350 kg/m <sup>3</sup>	Perpendicular to the grain	Paraller to the grain	EN 1995-1-1
	19.66	13.86	
Characteristic head pull- through parameter $f_{head,k}$ [N/mm <sup>2</sup> ] – for density of wood 350 kg/m <sup>3</sup>	22.11		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	9.48		EN 1383

Characteristic torsional ratio for density of wood 450 kg/m <sup>3</sup>	2.42	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**  
Janusz Kabata