MARCOPOL
marka która łączy

DECLARATION of PERFORMANCE

NR 03/US4.0/CPR-J-00135-20/2022

CE

1. *Unique identification code of the product-type:* **Wood screws Unix type US ø4.0**
   Full thread L = (35 ÷ 50)mm
   Partial thread L=(35 ÷ 50)mm/L_g=32mm; L=(50 ÷ 60)mm/L_g=35mm; L=(65 ÷ 70)mm/L_g=40mm; L=(80 ÷ 100)mm/L_g=50mm;
   Steel grade C1022 (SAE1022) according to American standard AISI
2. *Intended use:* **Screws USø4,0 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 zkušebni ústav, s.p. Brno, Czech Republic, No. 1015
6. *Declared performance:*

Essential characteristic	Performance od product acc. E-30-20323-17		Harmonised specification
Characteristic yield moment $M_{y,k}$ [Nmm]	2317		EN 1995-1-1
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm2] – for characteristic density of wood 350 kg/m3	Perpendicular to the grain	Paraller to the grain	EN 1995-1-1
	17.30	12.39	
Characteristic head pull- through parameter $f_{head,k}$ [N/mm2] – for density of wood 350 kg/m3	25.62		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	5.61		EN 1383
Characteristic torsional ratio for density of wood 450 kg/m3	2.39		EN ISO 10666 EN 14592 +A1 annex B
Class of reaction to fire	A1		EN 13501-1
Zinc coating thickness:	min. 2 ÷ 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.

Signed by:

Chwaszczyno, 21.03.2022

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju Produktów

Janusz Kabała