

DECLARATION of PERFORMANCE
No 02/UHS4.0/E-30-20837-14/2017



1. *Unique identification code of the product-type:* **Extra wood construction screws - UHS ϕ 4.0**
Total length L = (30 ÷ 80) mm; Countersunk head;
Length L / Length of partial thread L_g – (30÷60)/30; 70/40, 80/50
Steel grade C1022 according to American Standard AISI
2. *Intended use:* **Extra screws UHS ϕ 4.0 are intended for construction fixing of wood**
3. *Name, registered trade name or registered trade mark and contact address of the manufacturer:* **Marcopol Sp. z o.o. Producer of Bolts str. 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 of product acc. E-30-20837-14		Harmonised specification
Characteristic yield moment $M_{y,k}$ [Nm]	3 405		EN 1995-1-1
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²] – for characteristic density of wood 460 kg/m ³	Perpendicular to the grain	Parallel to the grain	EN 1995-1-1
	19.59	14.74	
Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²] – for density of wood 425 kg/m ³	21.82		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	5.34		EN 1383
Characteristic torsional ratio for density of wood 450 kg/m ³	3.90		EN ISO 10666 EN 14592 +A1 annex B
Class of reaction to fire	A1		EN 13501-1
Coating thickness	min. 5 μ m (Service Class 1)		EN ISO 4042 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 under the sole responsibility of the manufacturer identified in point 3.

Chwaszczyno, 27.09.2017.

Signed by:

R&D Director
Dyrektor Działu Rozwoju
Produktów



Janusz Kabaja
Janusz Kabaja