

DECLARATION of PERFORMANCE
No 03/UHS4.5/CPR-J-01394-20/2020



1. *Unique identification code of the product-type:* **Extra wood construction screws - UHS ø4.5**
Total length L=(30 ÷ 80) mm; Countersunk head;
Length L / Length of partial thread L_g – 30/20; 35/25; (40, 50)/30; (55, 60)/35; (65, 70)/40; 80/50
Steel grade C1022 according to American Standard AISI
2. *Intended use:* **Extra screws UHS ø4.5 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 od product acc. CPR-J-01394-20		Harmonised specification
	25°	15°	
Characteristic yield moment M _{y,k} [Nmm]	3472	3440	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
	16.18	12.72	
Characteristic head pull- through parameter f _{head,k} [N/mm ²] – for density of wood 400 kg/m ³	25.28		EN 1995-1-1
Characteristic tensile capacity f _{tens,k} [kN]	6.29		EN 1383
Characteristic torsional ratio for density of wood 350 kg/m ³	2.40		EN ISO 10666 EN 14592 +A1 annex B
Class of reaction to fire	A1		EN 13501-1
Coating thickness	min. 5 µm (Service Class 1 and 2)		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, 20.08.2020

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju
Produktów



Janusz Kabała
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