

DECLARATION of PERFORMANCE

No 01/HUP10.0-L2/CPR-J-00763-20/2020



1. *Unique identification code of the product-type:* **Wood construction screws HUP \varnothing 10.0-L2**
Total length L=(80 ÷ 400) mm; Wafer head;
Length L / Length of partial thread L_g – (80÷100/40; (120÷400)/80
Steel grade C10B21 according to American Standard AISI
2. *Intended use:* **HUP \varnothing 10.0-L2 screws 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-00763-20		Harmonised specification
	Thread section	Smooth section	
Characteristic yield moment $M_{y,k}$ [Nmm]	9°	9°	EN 1995-1-1
	25318	43675	
	19°	19°	
	40385	59962	
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²] – for characteristic density of wood 350 kg/m ³	Perpendicular to the grain	Parallel to the grain	EN 1995-1-1
	14.39	11.13	
Characteristic head pull- through parameter $f_{head,k}$ [N/mm ²] – for density of wood 400 kg/m ³	24.13		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	35.23		EN 1383
Characteristic torsional ratio for density of wood 350 kg/m ³	2.93		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
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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, 07.05.2020.

Signed by:

R&D Director



Janusz Kabała