

DECLARATION of PERFORMANCE
No 02/HUP10.0/E-30-20298-17/2017



1. *Unique identification code of the product-type:* **Wood construction screws HUP ϕ 10.0**
Total length L = (80 ÷ 400) mm; Wafer head;
Length L / Length of partial thread L_g – (80÷100)/50; (120÷400)/80 mm
Steel grade C10B21 according to American Standard AISI
2. *Intended use:* **HUP ϕ 10.0 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. E-30-20298-17		Harmonised specification
	Threaded part	Unthreaded part	
Characteristic yield moment M _{y,k} [Nmm]	50 969	84 389	EN 1995-1-1
	Perpendicular to the grain	Parallel to the grain	
Characteristic withdrawal parameter f _{ax,k} [N/mm ²] – for characteristic density of wood 350 kg/m ³	14,16	10,50	EN 1995-1-1
	24,41		
Characteristic head pull- through parameter f _{head,k} [N/mm ²] – for density of wood 350 kg/m ³	24,41		EN 1995-1-1
Characteristic tensile capacity f _{tens,k} [kN]	31,48		EN 1383
Characteristic torsional ratio for density of wood 450 kg/m ³	2,99		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, 22.08.2017.

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju
Produktów



Janusz Kabała