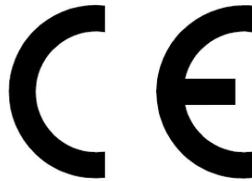


**DECLARATION of PERFORMANCE**

**No 02/HUP8.0/E-30-20297-17/2017**



- Unique identification code of the product-type:* **Wood construction screws HUP ø8.0**  
**Total length L =(80 ÷ 400) mm; Wafer head;**  
**Length L / Length of partial thread L<sub>g</sub> – (80÷100)/50; (120÷400)/80 mm**  
**Steel grade C10B21 according to American Standard AISI**
- Intended use:* **HUP ø8.0 screws are intended for construction fixing of wood**
- 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**
- System or systems of assessment and verification of constancy of performance of the construction product:*  
**System “3” of assessment**
- 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**
- Declared performance:*

Essential characteristic	Performance od product acc. E-30-20297-17		Harmonised specification
	Threaded part	Unthreaded part	
Characteristic yield moment M <sub>y,k</sub> [Nmm]	33 244	43 023	EN 1995-1-1
	Perpendicular to the grain	Parallel to the grain	
Characteristic withdrawal parameter f <sub>ax,k</sub> [N/mm <sup>2</sup> ] – for characteristic density of wood 350 kg/m <sup>3</sup>	15,12	11,77	EN 1995-1-1
	Characteristic head pull- through parameter f <sub>head,k</sub> [N/mm <sup>2</sup> ] – for density of wood 350 kg/m <sup>3</sup>		
Characteristic tensile capacity f <sub>tens,k</sub> [kN]	26,46		EN 1995-1-1
Characteristic torsional ratio for density of wood 450 kg/m <sup>3</sup>	23,31		EN 1383
Class of reaction to fire	3,90		EN ISO 10666 EN 14592 +A1 annex B
Coating thickness	A1		EN 13501-1
	min. 5 µm (Service Class 1)		EN ISO 4042 EN 1995-1-1

- 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.**

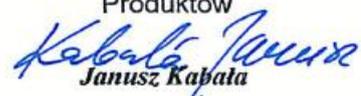
Chwaszczyno, 22.08.2017.

Signed by:

R&D Director

Janusz Kabała

Dyrektor Działu Rozwoju Produktów



Janusz Kabała