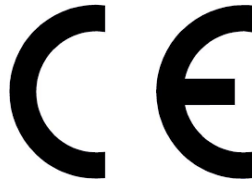


**DECLARATION of PERFORMANCE**  
**No 02/HUS5.0/E-30-20295-17/2017**



1. *Unique identification code of the product-type:* **Wood construction screws HUS  $\phi$ 5.0**  
**Total length L=(40 ÷ 120) mm; Countersunk head;**  
**Length L / Length of partial thread  $L_g$  – 40/20; 50/30; (60÷70)/40 (80÷90)/50; (100÷120)/60 mm**  
**Steel grade C10B21 according to American Standard AISI**
2. *Intended use:* **HUS  $\phi$ 5.0 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 of product acc. E-30-20295-17		Harmonised specification
	Thread section	Smooth section	
Characteristic yield moment $M_{y,k}$ [Nmm]	7 533	13 678	EN 1995-1-1
	Perpendicular to the grain	Paraller to the grain	
Characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ] – for characteristic density of wood 350 kg/m <sup>3</sup>	19.00	13.11	EN 1995-1-1
	23.09		
Characteristic head pull- through parameter $f_{head,k}$ [N/mm <sup>2</sup> ] – for density of wood 350 kg/m <sup>3</sup>	23.09		EN 1995-1-1
Characteristic tensile capacity $f_{tens,k}$ [kN]	8.66		EN 1383
Characteristic torsional ratio for density of wood 450 kg/m <sup>3</sup>	2.15		EN ISO 10666 EN 14592 +A1 annex B
Class of reaction to fire	A1		EN 13501-1
Coating thickness	min. 5 $\mu$ 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*  
Janusz Kabała