

**DECLARATION of PERFORMANCE**  
**No 02/UHS5.0/E-30-20839-14/2017**



- Unique identification code of the product-type: Extra wood construction screws - UHS  $\phi$ 5.0**  
**Total length L = (30 ÷ 80) mm; Countersunk head;**  
**Length L / Length of partial thread L<sub>g</sub> – (30÷ 60)/30; 70/40; (80÷100)/50; (110÷120)/60**  
**Steel grade C1022 according to American Standard AISI**
- Intended use: UHS  $\phi$ 5.0 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-30-20838-14		Harmonised specification
Characteristic yield moment M <sub>y,k</sub> [Nmm]	6 452		EN 1995-1-1
Characteristic withdrawal parameter f <sub>ax,k</sub> [N/mm <sup>2</sup> ] – for characteristic density of wood 460 kg/m <sup>3</sup>	Perpendicular to the grain	Paraller to the grain	EN 1995-1-1
	19.86	13.33	
Characteristic head pull- through parameter f <sub>head,k</sub> [N/mm <sup>2</sup> ] – for density of wood 425 kg/m <sup>3</sup>	21.67		EN 1995-1-1
Characteristic tensile capacity f <sub>tens,k</sub> [kN]	9.01		EN 1383
Characteristic torsional ratio for density of wood 450 kg/m <sup>3</sup>	4.42		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, 27.09.2017.

Signed by:

R&D Director

Janusz Kabała  
Dyrektor Działu Rozwoju  
Produktów



**Janusz Kabała**