

DECLARATION of PERFORMANCE
No 02/UHS4.5/E-30-20838-14/2017



- Unique identification code of the product-type:* **Extra wood construction screws - UHS ϕ 4.5**
Total length L=(30 ÷ 80) mm; Countersunk head;
Length L / Length of partial thread L_g –(30÷ 60)/30; 70/40; 80/50;
Steel grade C1022 according to American Standard AISI
- Intended use:* **UHS ϕ 4.5 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 _{y,k} [Nmm] | 5 142 | | EN 1995-1-1 |
| Characteristic withdrawal parameter f _{ax,k} [N/mm ²] – for characteristic density of wood 460 kg/m ³ | Perpendicular to the grain | Paraller to the grain | EN 1995-1-1 |
| | 19.75 | 13.22 | |
| Characteristic head pull- through parameter f _{head,k} [N/mm ²] – for density of wood 425 kg/m ³ | 21.67 | | EN 1995-1-1 |
| Characteristic tensile capacity f _{tens,k} [kN] | 8.05 | | EN 1383 |
| Characteristic torsional ratio for density of wood 450 kg/m ³ | 3.66 | | 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 |

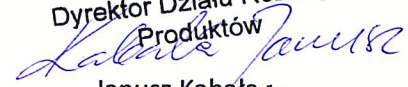
7. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6

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
Dyrektor Działu Rozwoju
Produktów



Janusz Kabala

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