

DECLARATION of PERFORMANCE

No UK01/HUS10.0/CPR-J-01396-20/2023

In accordance with Regulation (EU) No 305/2011, as amended by the UK Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and 2020

1. *Unique identification code of the product-type:* **HUS ϕ 10.0**
2. *Type, batch or serial number:* **HUS ϕ 10.0**
Total length L=(80 ÷ 400) mm; Countershank head;
Length L / Length of partial thread L_g – (80÷100/40; (120÷400)/80
3. *Intended use:* **Wood construction screws type: HUS ϕ 10.0 are intended for construction fixing of wood**
4. *Manufacturer, name, address:*
Marcopol Sp. z o.o. Producer of Bolts
Oliwska str. No. 100,
80-209 Chwaszczyno
5. *System AVCP system of assessment and verification of constancy of performance of the construction product:*
System “3” of assessment
6. *Declaration of performance concerning by a harmonized standard:* **BS-EN 14592:2008 + A1:2012 „Timber structures - Dowel type fasteners - requirements”**
Name and identification number of the notified body: **Strojirenský zkušební ústav, s.p. Brno, Czech Republic, No. 1015**
Certificate number: **CPR-J-01396-20**
7. *Declared performance:*

| Essential characteristic | Performance of product acc. CPR-J-01396-20 | | Harmonised specification |
|---|---|----------------------------------|---------------------------------------|
| | Thread section | Smooth section | |
| Characteristic yield moment M _{y,k} [Nmm] | 9° | 9° | BS-EN 14592:2008 + A1:2012 |
| | 35572 | 45442 | |
| | 19° | 19° | |
| | 53942 | 71041 | |
| Characteristic withdrawal parameter f _{ax,k} [N/mm ²] – for characteristic density of wood 350 kg/m ³ | Perpendicular to the grain | Parallel to the grain | BS-EN 14592:2008 + A1:2012 |
| | 14.40 | 10.24 | |
| Characteristic head pull-through parameter f _{head,k} [N/mm ²] – for density of wood 400 kg/m ³ | 19.61 | | BS-EN 14592:2008 + A1:2012 |

| | | |
|---|---|--|
| Characteristic tensile capacity $f_{tens,k}$ [kN] | 35.78 | BS-EN 14592:2008 + A1:2012 |
| Characteristic torsional ratio for density of wood 350 kg/m ³ | 4.05 | BS-EN 14592:2008 + A1:2012 |
| Class of reaction to fire | A1 | BS EN 13501-1 |
| Coating thickness | min. 5 μm (Service Class 1 and 2) | BS EN ISO 4042 BS EN 1995-1-1 |

8. The performance of the product identified above is in conformity with the declared performance identified in the table.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Chwaszczyno, 02.01.2023.

R&D Director - Janusz Kabała

Dyrektor Działu Rozwoju
Produktów

