

## DECLARATION OF PERFORMANCE

No 01/HUP/CPR/2024

1. Unique identification code of the product-type: **Wood construction screws HUP**
2. Intended use: **For structural timber products**
3. Manufacturer: **Marcopol Sp. z o.o. Producent Śrub, Oliwska street no 100, 80-209 Chwaszczyno**
4. System/s of AVCP: **System 3**
5. Harmonised standard: **EN 14592:2008 + A1:2012**,  
Notified body: **Strojirenský zkušební ústav, s.p. Brno, Czech Republic, notified body no 1015**
6. Declared performances:

| Essential characteristics                                                                                                                               | Performance properties                |                                        |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|---------------------------------------|
|                                                                                                                                                         | 6.0                                   | 8.0                                    | 10.0                                  |
| Characteristics yield moment<br>section thread/smooth/° $M_{y,k}$ [Nmm]                                                                                 | 8 882/14 573/12°<br>11 087/15 732/22° | 16 093/22 725/10°<br>25 234/31 935/20° | 25 318/43 675/9°<br>40 385/59 962/19° |
| Characteristics withdraw parameter $f_{ax,k}$<br>[N/mm <sup>2</sup> ] –<br>timber density 350 kg/m <sup>3</sup><br>perpendicular/ parallel to the grain | 16,18/11,65                           | 15,12/11,20                            | 14,39/11,13                           |
| Characteristics head pull-through $f_{head,k}$<br>[N/mm <sup>2</sup> ] – timber density 400 kg/m <sup>3</sup>                                           | 26,72                                 | 26,07                                  | 24,13                                 |
| Characteristics tensile capacity<br>$f_{tens,k}$ [kN]                                                                                                   | 12,83                                 | 22,50                                  | 35,23                                 |
| Characteristics torsional ratio $f_{tor,k}$ -<br>timber density 350 kg/m <sup>3</sup>                                                                   | 2,43                                  | 2,98                                   | 2,93                                  |
| Durability                                                                                                                                              | Zinc coat $\geq 5 \mu\text{m}$        |                                        |                                       |

7. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Piotr Koziński

Koordinátor ds. Aprobát Technických

  
.....**Piotr Koziński**.....

at Chwaszczyno, on 01.08.2024