



**Strojírenský zkušební ústav, s.p.**  
**(Engineering Test Institute, Public Enterprise)**  
Product certification body  
**Hudcova 424/56b, Medlánky, 621 00 Brno, Czech Republic**

## CERTIFICATE

Number: **CPR-J-01075-23**

Manufacturer  
and Manufacturing plant:

MARCOPOL Spółka z o.o. Producent Śrub  
Oliwska 100  
80-209 CHWASZCZYNO  
POLAND

Product,  
Type/Model/Specification:

Wood construction screw Type WPS  
- ø 5,0 mm  
- pan head, recess TX, partial thread, Type 17  
- material: steel SAE 1022  
- Coating type 1: zinc plated min. 12 µm  
- Service class 1 and 2 acc. to EN 1995-1-1  
- length: (35 to 85) mm  
- length delivered for tests: 35 mm

Assessment of the performance  
of construction product:

see Annex 1 (page 3 of certificate)

Basis of Certificate issuance:

Report on assessment of the performance of construction product  
1015-CPR-30-16558/JZ of 2023-07-13

Harmonized standard:

EN 14592:2008+A1:2012, Tab. ZA.1

Strojírenský zkušební ústav, s.p., (Engineering Test Institute, Public Enterprise) hereby confirms that it has carried out an assessment of the performance in accordance with point 1.4.(b) System 3 Annex V of Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction products Regulation or CPR), and has determined the performance of essential characteristics of the construction product.

Product certification scheme applied:

SZÚ-1b:2020.00 (based on Scheme 1b of ISO/IEC 17067, which is based on testing and inspection).

This Certificate is not a substitute for relevant document issued by Notified laboratory, i.e. Report on assessment of the performance of construction product.

Brno, 2023-07-13



  
Ing. Ravel Šticha  
Head of Certification Body



## RULES FOR USING THE CERTIFICATE

This Certificate may only be used under the condition that the provisions of the standard according to which the product has been certificated are applicable.

The Certificate may only be used as a certificate for the product specified on the first page. This also holds true for use in advertising, promotional and commercial materials. This certificate may be copied in its entirety without written consent of the Engineering Test Institute. Unauthorized or deceitful use of the Certificate may result in its withdrawal.

It is forbidden to change, amend or overwrite the data contained in the Certificate.

The Certificate may not be used to document the properties of product changed without the consent of the Engineering Test Institute in such a way that conformity with the standard specified on the previous page is affected.

The Certification Body requires that the Certificate holder keeps records of all complaints and remedies applicable to the products included under this Certificate.



## Assessment of the performance of construction product

| Product                                                         | Characteristic yield moment<br>$M_{y,k}$ [Nmm]                        | Characteristic withdrawal parameter<br>$f_{ax,k}$ [N/mm <sup>2</sup> ] |                       | Characteristic head pull-through parameter<br>$f_{head,k}$ [N/mm <sup>2</sup> ] | Characteristic tensile capacity<br>$f_{tens,k}$ [kN] | Characteristic torsional ratio |
|-----------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------|
| -                                                               | -                                                                     | perpendicular to the grain                                             | parallel to the grain | -                                                                               | -                                                    | -                              |
| Wood construction screw, typ WPS<br>ø 5,0 mm                    | 4 883                                                                 | 16,56                                                                  | 14,00                 | 31,54                                                                           | 7,07                                                 | 1,79                           |
| Characteristic density of wood<br>$\rho_k$ [kg/m <sup>3</sup> ] | -                                                                     | 350                                                                    |                       | 350                                                                             | -                                                    | 450                            |
| Durability<br>(i.e. corrosion protection)                       | zinc plated min. 12 µm<br>(Service class 1 and 2 acc. to EN 1995-1-1) |                                                                        |                       |                                                                                 |                                                      |                                |

