

DECLARATION OF PERFORMANCE DOP 14489-045

1. Unique product type identification code:

Construction screw

2. Type, serial number or other identifying element of the construction product:

Construction wood screw Ø 4.5 mm

- HEAD: **countersunk or wafer**
- THREAD: **partial or full thread**
- RECESS: **torx/hexalobular**
- MATERIAL: **C10B21**
- LENGTH: **25–80 mm**

3. Intended use of the construction product:

Construction screw for timber structures

4. Name, company or registered trademark and contact address of the manufacturer:

**MEKR'S s.r.o.
Anny Letenské 34/7
120 00 Praha 2**

5. Assessment and verification system of constancy of performance of the construction product:

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.

6. Name and identification number of the Notified Body:

**Strojírenský zkušební ústav, s.p. (Engineering Test Institute, Public Enterprise)
Notified Body No. 1015**

Carried out the product type determination on the basis of the type test in accordance with the requirement of point 1.4 System 3 Annex V of Regulation (EU) of the European Parliament and of the Council of 9 March 2011 (Construction Products Regulation, or CRP), determined the performance of essential product characteristics according to harmonized standard EN 14952:2008+A1:2012, Tab. ZA.1, and issued a report on assessment of the performance of construction product No. 1015-CRP-30-14489/3/JZ of 2019-09-06.

7. Applied regulations

EN 14592:2008+A1:2012, Regulation No 305/2011 of the European Parliament (CRP), EN 1995-1-1, Report on Assessment of the Performance of Construction Product No. 1015-CRP-30-14489/3/JZ of 2019-09-06

8. Performance listed in Certificate No. CPR-J-02416-19

Product	Characteristic yield moment $M_{y,k}$ [Nmm]		Characteristic withdrawal parameter $f_{ax,k}$ [N/mm ²]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm ²]		Characteristic tensile capacity $f_{tens,k}$ [kN]	Characteristic torsional ratio
	thread section	smooth section	perpendicular to the grain	parallel to the grain	csk head	wafer head		
-							-	-
Construction screw Ø 4.5 mm	6263	8500	16.59	13.14	23.95	27.13	7.61	2.14
Characteristic density of wood [kg/m ³]	-		350		350		-	450
Durability (i.e. corrosion protection)	zinc (3–5 µm) (Service Class 1 and 2 acc. to EN 1995-1-1)							
construction screw Ø 4.5 mm			minimum				maximum	
head diameter d_h csk			8.50 mm				9.00 mm	
head diameter d_h wafer			10.20 mm				11.00 mm	
minor thread diameter d_1			2.70 mm				4.05 mm	
length of the threaded part l_g			18.00 mm				-	

9. The performance of the product referred to in points 1 and 2 is in conformity with the performance referred to in point 8.

This Declaration of Performance is issued under the sole responsibility of the manufacturer referred to in point 4.

Signed on behalf of the manufacturer:

Jan Melichar
Executive Manager

In Úpice

2019-09-16

MEKR'S, s.r.o.

Anny Letenské 34/7 [®]

120 00 Praha 2

IČ: 25939904, DIČ: CZ25939904

podpis, razítko