

DECLARATION OF PERFORMANCE**No. LE_0198310_01_M_Wupo**

1. Unique identification code of the product type:

Wüpo screws
Art. pre-no.: 0171, 0172, 0174, 0176, 0183, 0186, 0195, 0196, 0198
except for articles with thread length < 4xd

EN 14592:2012

2. Type, batch, or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

Batch number: see packaging

3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Product type	Wüpo screws
For use in	for connecting wood components, wood materials to wood
Load	static and quasi-static

4. Name, registered trade name, or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

Würth International AG
Aspermontstrasse 1
7000 Chur, Switzerland

5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2):

Not relevant

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

System 3

7. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

EN 14592:2012**Timber structures – Dowel-type fasteners**

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

Not relevant

9. Declared performance:

Type	Dia. d1 mm	Dia. d2 mm	Mechanical strength and stiffness								
			Ten. str. F _{ten,s,k} in kN	Head diameter mm	Mom.flow M _{y,k} Nm	Breaking torque f _{tor,k} Nm	Screw-in tque R _{tor,MW} Nm	Pull-out parameters		Head pull-thru para	
								f _{ax,k} N/mm ²	P _k kg/m ³	f _{head,k} N/mm ²	P _k kg/m ³
WÜPO	3.0	2.00	3.30	6.00	1.50	1.75	0.30	12.00	400	23.00	400
	3.5	2.25	4.50	7.00	2.50	2.35	0.60	12.00	400	23.00	400
	4.0	2.60	5.00	8.00	3.00	3.00	1.00	12.00	400	23.00	400
	4.5	2.80	6.00	9.00	5.00	4.70	1.00	13.00	400	22.50	400
	5.0	3.20	8.00	10.00	6.00	5.60	1.60	13.00	400	21.50	400
	6.0	3.95	11.00	12.00	10.00	10.00	3.00	13.00	400	22.00	400

Durability (i.e. corrosion protection)

galvanized zinc coatings according to ISO 2081 (utilization class 1 as defined under EN 1995-1-1)

Material: wire rod of unalloyed steel according to EN 10083-2

characteristic tensile strength of wire (f_u) according to EN 10218-1, min 500 N/mm²

Where pursuant to Article 37 or 38 the Specific Technical Documentation has been used, the requirements with which the product complies:

Not relevant

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Gerd Rössler
Managing Director



Patrick Kohler
Department Manager
Category Management

Chur, 21.05.2015