



## DECLARATION OF PERFORMANCE

No. 2018-003

1. Unique identification code of the product type: WTR.....
2. Intended use/es: stainless decking screws.....
3. Manufacturer: ARVEX GROBELNY Sp. z o.o. ....  
ul. Makuszyńskiego 4, 30-969 Krakow, POLAND .....
4. Authorised representative: ----- .....
5. System/s of AVCP: system 3 .....
- 6a. Harmonised standard: PN-EN 14592+A1:2012 - „Timber structures – Dowel-type fasteners – Requirements”, 2012 .....
- Notified Body/ies: 1015, certificate of accreditation 292/2016, Strojirenský Zkušební Ústav, s.p., Czech Republic.
- 6b. European Assessment Document: ----- .....
- European Technical Assessment: ----- .....
- Technical Assessment Body: ----- .....
- Notified Body/ies: ----- .....
7. Declared performance:

Essential characteristics	Product type	Size*	Performance	Harmonised technical specification
Characteristic yield moment – $M_{y,k}$	WTR	4.0/xx	3459 [Nmm]	PN-EN 14592+A1:2012
	WTR	4.5/xx	4828 [Nmm]	
	WTR	5.0/xx	6843 [Nmm]	
Characteristic withdrawal parameter for loading across the fibre – $f_{ax,k}$ [for characteristic density of wood $\rho_k = 370 \text{ kg/m}^3$ ]	WTR	4.0/xx	17.14 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
	WTR	4.5/xx	19.27 [N/mm <sup>2</sup> ]	
	WTR	5.0/xx	17.54 [N/mm <sup>2</sup> ]	
Characteristic withdrawal parameter for loading along the fibre – $f_{ax,k}$ [for characteristic density of wood $\rho_k = 370 \text{ kg/m}^3$ ]	WTR	4.0/xx	10.29 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
	WTR	4.5/xx	12.00 [N/mm <sup>2</sup> ]	
	WTR	5.0/xx	12.21 [N/mm <sup>2</sup> ]	
Characteristic head pull-through parameter – $f_{head,k}$ [for characteristic density of wood $\rho_k = 400 \text{ kg/m}^3$ ]	WTR	4.0/xx	15.32 [N/mm <sup>2</sup> ]	PN-EN 14592+A1:2012
	WTR	4.5/xx	21.91 [N/mm <sup>2</sup> ]	
	WTR	5.0/xx	22.78 [N/mm <sup>2</sup> ]	
Characteristic tensile capacity – $f_{tens,k}$	WTR	4.0/xx	6.05 [kN]	PN-EN 14592+A1:2012
	WTR	4.5/xx	7.80 [kN]	
	WTR	5.0/xx	9.55 [kN]	
Characteristic torsional ratio ( $f_{tor,k} / R_{tor,k}$ ) [for characteristic density of wood $\rho_k = 450 \text{ kg/m}^3$ ]	WTR	4.0/xx	2.09	PN-EN 14592+A1:2012
	WTR	4.5/xx	2.17	
	WTR	5.0/xx	2.51	
Durability	WTR	x/xx	C1/C2 stainless steel, passivated (Service Class 3 acc. to PN-EN 1995-1-1)	PN-EN 14592+A1:2012

\*xx – applies to any length of the specified diameter of the screw; x/xx – applies to any length and diameter of the screw.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: *Certificates to the reports on assessment of the performance of construction products No.: E-30-20262-16, E-30-20266-16, E-30-20268-16 issued on 31st May 2016 by Strojirenský Zkušební Ústav, s.p., Czech Republic.*

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:

Jerzy Grobelny.....  
[name]

in Krakow..... on 1st August 2018.....  
[place] [date of issue]

**"ARVEX GROBELNY"**

Sp. z o.o.  
30-969 Kraków, ul. Makuszyńskiego 4  
tel. 12 / 642 00 34, 684 00 10  
fax: 12 / 642 14 42, NIP 678-28156-154

PREZES ZARZĄDU  
"ARVEX GROBELNY" Sp. z o.o.

*Jerzy Grobelny*