



DECLARATION OF PERFORMANCE

No. 2016-002

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 and size*	Performance	Harmonised technical specification
	screws for wood		
Material	WTR	C1/C2 stainless steel, passivated	PN-EN 2516:2000
Geometric dimensions – tolerances	WTR 4.0/xx	Length – L ₁ [mm]: ± 2,0mm Diameter – d ₁ [mm]: +0,15mm, -0,25mm Head diameter – d ₂ [mm]: +0,2mm, -0,6mm	PN-EN 14592+A1:2012
	WTR 4.5/xx		
	WTR 5.0/xx		
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 ρ _k = 370 kg/m ³]	WTR 4.0/xx	17,14 [N/mm ²]	PN-EN 14592+A1:2012
	WTR 4.5/xx	19,27 [N/mm ²]	
	WTR 5.0/xx	17,54 [N/mm ²]	
Characteristic withdrawal parameter for loading along the fibre – f _{ax,k} [for characteristic density of wood ρ _k = 370 kg/m ³]	WTR 4.0/xx	10,29 [N/mm ²]	PN-EN 14592+A1:2012
	WTR 4.5/xx	12,00 [N/mm ²]	
	WTR 5.0/xx	12,21 [N/mm ²]	
Characteristic head pull-through parameter – f _{head,k} [for characteristic density of wood ρ _k = 400 kg/m ³]	WTR 4.0/xx	15,32 [N/mm ²]	PN-EN 14592+A1:2012
	WTR 4.5/xx	21,91 [N/mm ²]	
	WTR 5.0/xx	22,78 [N/mm ²]	
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 ρ _k = 450 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	

*xx – applies to any length of the specified 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 Strojírenský 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 June 2016
[place] [date of issue]

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PREZESZKADU
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Jerzy Grobelny