



DECLARATION OF PERFORMANCE

No. 2018-002

1. Unique identification code of the product type: *WPO*
2. Intended use/es: *adjusting wood 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 – $M_{y,k}$	WPO	6.0/xx	13683 [Nmm]	PN-EN 14592+A1:2012
Characteristic withdrawal parameter for loading across the fibre – $f_{ax,k}$ [for characteristic density of wood $\rho_k = 370 \text{ kg/m}^3$]	WPO	6.0/xx	17.47 [N/mm ²]	PN-EN 14592+A1:2012
Characteristic withdrawal parameter for loading along the fibre – $f_{ax,k}$ [for characteristic density of wood $\rho_k = 370 \text{ kg/m}^3$]	WPO	6.0/xx	13.11 [N/mm ²]	PN-EN 14592+A1:2012
Characteristic head pull-through parameter – $f_{head,k}$ [for characteristic density of wood $\rho_k = 400 \text{ kg/m}^3$]	WPO	6.0/xx	29.83 [N/mm ²]	PN-EN 14592+A1:2012
Characteristic tensile capacity – $f_{tens,k}$	WPO	6.0/xx	15.17 [kN]	PN-EN 14592+A1:2012
Characteristic torsional ratio ($f_{tor,k} / R_{tor,k}$) [for characteristic density of wood $\rho_k = 450 \text{ kg/m}^3$]	WPO	6.0/xx	2.03	PN-EN 14592+A1:2012
Durability	WPO	6.0/xx	White zinc plated, min. 3µm (Service Class 1 and 2 acc. to PN-EN 1995-1-1)	PN-EN 14592+A1:2012

*xx – applies to any length of the specified diameter of the screw.

8. Appropriate Technical Documentation and/or Specific Technical Documentation: *Certificate to the report on assessment of the performance of construction product No.: E-30-20272-16 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]

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