



## REPORT

### on assessment of the performance of construction product No. 1015-CPR-30-11342/2

**Product:** Steel anchor nails  $\varnothing$  4.0 mm

**Product-type:** see Chapter I

**Customer:** HERCO Sp. z o.o.  
CIELĄDZ 28 C  
96-214 CIELĄDZ, Poland

**Manufacturer:** HERCO Sp. z o.o.  
CIELĄDZ 28 C  
96-214 CIELĄDZ, Poland

**Manufacturing plant:** HERCO Sp. z o.o.  
CIELĄDZ 28 C  
96-214 CIELĄDZ, Poland

**Date of report issue:** 2018-07-19

**Annex:** Photodocumentation of sample

**Distribution list:** 1x SZÚ, s.p.  
1x Customer



Assessment and verification of constancy of performance of construction products in relation to their essential characteristics in accordance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC (the Construction Products Regulation or CPR).

In connection with harmonized standard EN 14592:2008+A1:2012 tab. ZA.2 annex ZA the product mentioned below is governed by the **System 3**. Systems of assessment of constancy of performance are listed in Annex V of CPR.

Product certification scheme applied: CPR, System 3.

The notified laboratory in accordance with point 1.4.(b) shall assess the performance on the basis of testing (based on sampling carried out by the manufacturer), calculation, tabulated values or descriptive documentation of the construction product.

### **I. Specification of the product (and its versions)**

Steel anchor nails  $\varnothing$  4.0 mm, ring shank, offset round head.

- material: SAE 1018
- length: (35 to 100) mm

Coating type 1: shown in the Chapter IV

Durability (i.e. corrosion protection): shown in the Chapter IV

### **II. List of submitted documentation**

		tab. 1
Serial number	Submitted documentation	
1	Drawing No. H333 of 2018-06-07	

Documentation for assessment of the performance is sufficient.



### III. Assessment of the performance on the basis of testing (based on sampling carried out by the manufacturer) and descriptive documentation

- point 1.4.(b) System 3 Annex V of CPR and Annex ZA tab. ZA.1 EN 14592:2008+A1:2012

tab. 2			
Essential characteristics		Requirement clauses in this harmonized standard	Document
<b>Mechanical strength and stiffness:</b>			
a)	Characteristic yield moment	EN 14592:2008+A1:2012, tab. ZA.1 art. 6.1.4.1 - 6.1.4.2	Test report 30-11342/2
b)	Characteristic withdrawal parameter	EN 14592:2008+A1:2012, tab. ZA.1 art. 6.1.4.3	
c)	Characteristic head pull-through parameter	EN 14592:2008+A1:2012, tab. ZA.1 art. 6.1.4.4	
d)	Characteristic tensile capacity	EN 14592:2008+A1:2012, tab. ZA.1 art. 6.1.4.5	
Durability (i.e. corrosion protection)		EN 14592:2008+A1:2012, tab. ZA.1, art. 6.1.5, manufacturer's declaration	Test report 30-11342/2 (was assessed on the basis descriptive documentation of the construction product)

### IV. Conclusion

Notified body 1015 has carried out an assessment of the performance in accordance with point 1.4.(b) System 3 Annex V of CPR and in accordance with annex ZA tab. ZA.1 and tab. ZA.3 EN 14592:2008+A1:2012 and has determined the performance of essential characteristics of the construction product:

Product	Characteristic yield moment $M_{y,k}$ [Nmm]	Characteristic withdrawal parameter $f_{ax,k}$ [N/mm <sup>2</sup> ]		Characteristic head pull-through parameter $f_{head,k}$ [N/mm <sup>2</sup> ]	Characteristic tensile capacity $f_{tens,k}$ [kN]
		perpendicular to the grain	parallel to the grain		
-	-	perpendicular to the grain	parallel to the grain	-	-
Steel anchor nails ø 4,0 mm	9 346	8,14 *	4,57 *	28,33	9,13
Characteristic density of wood $\rho_k$ [kg/m <sup>3</sup> ]	-	350		350	-
Durability (i.e. corrosion protection)	without coating (Service Class 1 acc. to EN 1995-1-1) electro galvanized, 12 µm (Service Class 2 acc. to EN 1995-1-1) hot dipped galvanized, min. 55 µm (Service Class 3 acc. to EN 1995-1-1)				

Remark: \* electro galvanized



## V. List of the used documents

- Application dated on 2018-03-20 (ev. number J-28892 booked at SZU on 2018-04-18)
- Contract No. J-28892/30
- Amendment No. 1 to the contract No. J-28892/30
  
- Test report 30-11342/2 of 2018-07-18
  
- Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products and repealing Council Directive 89/106/EEC
- ČSN EN 14592+A1:2012 Timber structures - Dowel-type fasteners – Requirements (Czech version of European Standard EN 14592:2008+A1:2012)
- Technical documentation (given at Chapter II)

Report created by:

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The evaluation was performed:

Blanka Firstová

For correctness and completeness of the evaluation:

Blanka Firstová

For review:

Ivana Moravcová

Responsible person:

A handwritten signature in black ink, appearing to read 'Pavel Štícha', is written over a horizontal line.

Ing. Pavel Štícha  
Director for Certification



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