

VALENTA ZT s.r.o.
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DECLARATION OF PERFORMANCE ref. no. 201301

according to EU regulation No. 305/2011 CPR and standard No. EN 14592:2008+A1:2012 on technical requirements for products and on change and supplement of certain acts.

Name, registered trade name or registered trade mark and contact address of the manufacturer:

Business name: Valenta ZT s.r.o.
Contact address: Nedomicka 494, 277 16 Vsetaty, the Czech Republic

Unique identification code of the product-type:

Construction screws

Item name: countersunk / wafer head hexalobular recess
Codes: 59106xxx, 59108xxx, 59206xxx, 59208xxx, 59210xxx
Modification: diameter 6, 8 and 10 mm, length 36 to 400 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: BMC

Description and determination of product:

For structural timber products

The applied way of estimation of conformity:

The issue was detected by the authorised person. These documents have been used as the base for the certificate of conformity: No. E-30-20330-12-rev.1, E-30-20331-12, E-30-20332-12 and values see ANNEX I (page 2)

System or systems of assessment and verification of constancy of performance of the construction product: 3

Authorized (accredited) person:

Business name: The Engineering Test Institute, the Czech Republic
Number of authorized person: 1015

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 CPR, EN 1995-1-1, Reference test reports No. 30-9739/2, 30-9739/3 and 30-9739/4.

The performance of the product identified in top is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified..

Place and date: Všetaty, 17-Dec- 2018

Name: Libor Jirků

ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length	Characteristic yield moment $M_{y,k} [Nmm]$		characteristic withdrawal parameter $f_{ax,k} [N/mm^2]$		Characteristic head pull-through parameter $f_{head,k} [N/mm]$	Characteristic tensile capacity $f_{tens,k} [kN]$	Characteristic torsional ratio
				Loading across the fibre	Loading along the fibre			
Screw Ø 6.0 mm	36-300 mm	Threaded part	Smooth part	18,45	11,64	See Table 2	10,29	2,42
		11839	16853					
Screw Ø 8.0 mm	48-600 mm	Threaded part	Smooth part	19,44	10,86	See Table 2	18,26	3,17
		29 272	39 624					
Screw Ø 10.0 mm	60-600 mm	Threaded part	Smooth part	17,07	11,21	See Table 2	31,68	2,84
		34 361	67 508					
Ch. density of wood ρ_k [kg/m ³]	500							
Material	Carbon Steel							
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							

Table 2:

Characteristic head pull-through parameter $f_{head,k} [N/mm^2]$		
Head Type	Countersunk	Wafer
Screw Ø 6.0mm	25,44 Characteristic density of wood $\rho_k=515$ [kg/m ³]	34,98 Characteristic density of wood $\rho_k=515$ [kg/m ³]
Screw Ø 8.0 mm	21,15 Characteristic density of wood $\rho_k=515$ [kg/m ³]	26,42 Characteristic density of wood $\rho_k=430$ [kg/m ³]
Screw Ø 10.0 mm	16,73 Characteristic density of wood $\rho_k=420$ [kg/m ³]	22,59 Characteristic density of wood $\rho_k=420$ [kg/m ³]

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DECLARATION OF PERFORMANCE ref. no. 201814

according to EU regulation No. 305/2011 CPR and standard No. EN 14592:2008+A1:2012 on technical requirements for products and on change and supplement of certain acts.

Name, registered trade name or registered trade mark and contact address of the manufacturer:

Business name: Valenta ZT s.r.o.
Contact address: Nedomická 494, 277 16 Vsetaty, the Czech Republic

Unique identification code of the product-type:

Construction screws

Item name: countersunk / wafer head hexalobular recess
Codes: 59106xxx, 59108xxx, 59206xxx, 59208xxx, 59210xxx
Modification: diameter 6, 8 and 10 mm, length 36 to 600 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: HIS

Description and determination of product:

For structural timber products

The applied way of estimation of conformity:

The issue was detected by the authorised person. These documents have been used as the base for the certificate of conformity: No. E-30-20009-18, E-30-20010-18, E-30-20011-18 and values see ANNEX I (page 2)

System or systems of assessment and verification of constancy of performance of the construction product: 3

Authorized (accredited) person:

Business name: The Engineering Test Institute, the Czech Republic
Number of authorized person: 1015

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 CPR, EN 1995-1-1, Reference test reports No. 1015-CPR-30-11224/6, 1015-CPR-30-11224/7, 1015-CPR-30-11224/8

The performance of the product identified in top is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified..

Place and date: Všetaty, 11-Jan- 2019

Name: Libor Jirků

ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length	Characteristic yield moment $M_{y,k} [Nmm]$		characteristic withdrawal parameter $f_{ax,k} [N/mm^2]$		Characteristic head pull-through parameter $f_{head,k} [N/mm]$	Characteristic tensile capacity $f_{tens,k} [kN]$	Characteristic torsional ratio
				Loading across the fibre	Loading along the fibre			
Screw Ø 6.0 mm	36-300 mm	Threaded part	Smooth part	16,20	12,69	See Table 2	13,12	2,90
		13859	20854					
Screw Ø 8.0 mm	48-600 mm	Threaded part	Smooth part	16,05	10,27	See Table 2	27,71	2,98
		30 071	53 385					
Screw Ø 10.0 mm	60-600 mm	Threaded part	Smooth part	14,94	11,26	See Table 2	33,51	2,98
		45 881	88 227					
Ch. density of wood $\rho_k [kg/m^3]$				350				450
Material	Carbon Steel							
Corrosion resistance	Service Class 1 and 2 acc. to EN 1995-1-1							

Table 2:

Characteristic head pull-through parameter $f_{head,k} [N/mm^2]$		
Head Type	Countersunk	Wafer
Screw Ø 6.0mm	21,41 Characteristic density of wood $\rho_k=350 [kg/m^3]$	30,19 Characteristic density of wood $\rho_k=350 [kg/m^3]$
Screw Ø 8.0 mm	20,61 Characteristic density of wood $\rho_k=350 [kg/m^3]$	25,32 Characteristic density of wood $\rho_k=350 [kg/m^3]$
Screw Ø 10.0 mm	19,65 Characteristic density of wood $\rho_k=350 [kg/m^3]$	23,64 Characteristic density of wood $\rho_k=350 [kg/m^3]$

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DECLARATION OF PERFORMANCE ref. no. 201815

according to EU regulation No. 305/2011 CPR and standard No. EN 14592:2008+A1:2012 on technical requirements for products and on change and supplement of certain acts.

Name, registered trade name or registered trade mark and contact address of the manufacturer:

Business name: Valenta ZT s.r.o.
Contact address: Nedomická 494, 277 16 Vsetaty, the Czech Republic

Unique identification code of the product-type:

Construction screws

Item name: countersunk / wafer head hexalobular recess
Codes: 59104xxx, 591045xxx, 59205xxx
Modification: diameter 4, 4,5 and 5 mm, length 16 to 120 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: HWH

Description and determination of product:

For structural timber products

The applied way of estimation of conformity:

The issue was detected by the authorised person. These documents have been used as the base for the certificate of conformity: No. E-30-20425-13, E-30-20426-13, E-30-20427-13 and values see ANNEX I (page 2)

System or systems of assessment and verification of constancy of performance of the construction product: 3

Authorized (accredited) person:

Business name: The Engineering Test Institute, the Czech Republic
Number of authorized person: 1015

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 CPR, EN 1995-1-1, Reference test reports No. 30-9896/4, 30-9896/5, 30-9896/6

The performance of the product identified in top is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified..

Place and date: Všetaty, 11-Jan- 2019

Name: Libor Jirků

ANNEXI

Product identification and the initial-type testing findings

Product	Length	Characteristic yield moment $M_{y,k} [Nmm]$		characteristic withdrawal parameter $f_{ax,k} [N/mm^2]$		Characteristic head pull-through parameter $f_{head,k} [N/mm]$	Characteristic tensile capacity $f_{tens,k} [kN]$	Characteristic torsional ratio
				Loading across the fibre	Loading along the fibre			
Screw Ø 4.0 mm	16-80 mm	Threaded part	Smooth part	17,38	11,39	21,04	5,39	3,22
		3393	---					
Screw Ø 4.5 mm	18-80 mm	Threaded part	Smooth part	17,97	12,69	22,56	7,00	2,74
		5814	---					
Screw Ø 5.0 mm	20-120 mm	Threaded part	Smooth part	16,85	12,05	21,79	9,66	2,76
		6819	---					
Char. density of wood $\rho_k [kg/m^3]$				430		430		450
Material	Carbon Steel							
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							