



VALENTA ZT s.r.o.
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IČO: 26512149
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DECLARATION OF PERFORMANCE ref. no. 201509

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:

Chipboard screws

Item name: POZI / HEXALOBULAR
Codes: 550xxxxx, 560xxxxx, 570xxxxx, 580xxxxx
Modification: diameter 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 6,0 mm, length 16 to 300 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: ESL

Intended use:

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 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: Technical and Test Institute for Construction Prague, CZ
Number of authorized person: 1020

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 (CPR), EN 1995-1-1, Reference test report No. 1020-CPR-010-035021

In accordance with the standard EN 14592:2008+A1:2012 we confirm on the properties of above mentioned product fulfill basic requirements on product and the product is safe under standard usage conditions.

Place and date: Všetaty, 15-Nov-2018

Name: Dipl. Ing. Libor Jirků



ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length [mm]	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 $f_{tens,k}$ [N/mm ²]	Characteristic torsional ratio
				Loading across the fibre	Loading along the fibre			
Screw Ø 3.0 mm	16-50	1460		26,93 $\rho_k=502$ kg/m ³	--	25,89 $\rho_k=412$ kg/m ³	400,50	1,61
Screw Ø 3.5 mm	18-60	2670		26,94 $\rho_k=470$ kg/m ³	--	24,55 $\rho_k=405$ kg/m ³	456,60	2,60
Screw Ø 4.0 mm	21-80	3860	thread section --- smooth section	21,86 $\rho_k=470$ kg/m ³	--	17,31 $\rho_k=405$ kg/m ³	477,50	2,19
Screw Ø 4.5 mm	23-100	4890	thread section --- smooth section	22,81 $\rho_k=470$ kg/m ³	--	20,55 $\rho_k=405$ kg/m ³	433,20	1,94
Screw Ø 5.0 mm	26-150	6350	thread section --- smooth section	21,86 $\rho_k=470$ kg/m ³	--	20,54 $\rho_k=405$ kg/m ³	417,60	1,71
Screw Ø 6.0 mm	30-300	15660	thread section --- smooth section	20,40 $\rho_k=470$ kg/m ³	--	17,77 $\rho_k=405$ kg/m ³	386,20	3,06
Characteristic density of wood ρ_k [kg/m ³]	-	-	-	-	-	-	-	412
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							



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DECLARATION OF PERFORMANCE ref. no. 201816

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:

Chipboard screws

Item name: POZI / HEXALOBULAR
Codes: 550xxxxx, 560xxxxx, 570xxxxx, 580xxxxx
Modification: diameter 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 6,0 mm, length 16 to 300 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: JCG

Intended use:

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 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 report No. E-30-20381-16, E-30-20382-16, E-30-20383-16, E-30-20384-16, E-30-20385-16, E-30-20386-16, E-30-20387-16

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, 15-Nov-2018

Name: Dipl. Ing. Libor Jirků



ANNEX I

Product identification and the initial-type testing findings

Table 1:

Product	Length [mm]	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 3.0 mm	16-50	1500		17,80 $\rho_k=350\text{kg/m}^3$	10,60 $\rho_k=350\text{kg/m}^3$	26,70 $\rho_k=400\text{kg/m}^3$	3,30	4,26
Screw Ø 3.5 mm	18-60	2303		18,16 $\rho_k=350\text{kg/m}^3$	11,04 $\rho_k=350\text{kg/m}^3$	24,81 $\rho_k=400\text{kg/m}^3$	4,31	2,92
Screw Ø 4.0 mm	21-80	3405 ---	thread section smooth section	18,03 $\rho_k=350\text{kg/m}^3$	11,68 $\rho_k=350\text{kg/m}^3$	25,05 $\rho_k=400\text{kg/m}^3$	5,80	2,57
Screw Ø 4.5 mm	23-100	5674 ---	thread section smooth section	17,34 $\rho_k=350\text{kg/m}^3$	10,65 $\rho_k=350\text{kg/m}^3$	23,07 $\rho_k=400\text{kg/m}^3$	8,17	2,46
Screw Ø 5.0 mm	26-150	6757 ---	thread section smooth section	17,07 $\rho_k=350\text{kg/m}^3$	11,09 $\rho_k=350\text{kg/m}^3$	22,73 $\rho_k=400\text{kg/m}^3$	9,89	3,28
Screw Ø 6.0 mm	26-300	14072 ---	thread section smooth section	16,25 $\rho_k=350\text{kg/m}^3$	10,12 $\rho_k=350\text{kg/m}^3$	20,85 $\rho_k=400\text{kg/m}^3$	14,50	3,18
Characteristic density of wood ρ_k [kg/m ³]	-	-		-	-	-	-	450
Corrosion resistance	Service Class 1 and 2 acc. to EN 1995-1-1							



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DECLARATION OF PERFORMANCE ref. no. 201805

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:

Chipboard screws

Item name: POZI / HEXALOBULAR
Codes: 550xxxxx, 560xxxxx, 570xxxxx, 580xxxxx
Modification: diameter 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 6,0 mm, length 16 to 300 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: MUC

Intended use:

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 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: ZAG Ljubljana, Slovenia
Number of authorized person: 1404

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 (CPR), EN 1995-1-1, Reference test report No. P0710/14-630-1

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, 15-Nov-2018

Name: Dipl. Ing. Libor Jirků



ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length [mm]	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 3.0 mm	16-50	1580		22,65 $\rho_k=488\text{kg/m}^3$	--	38,85 $\rho_k=355\text{ kg/m}^3$	3,82	3,77
Screw Ø 3.5 mm	18-60	2240		15,90 $\rho_k=461\text{kg/m}^3$	--	44,43 $\rho_k=373\text{ kg/m}^3$	4,90	8,03
Screw Ø 4.0 mm	21-80	3060	thread section --- smooth section	20,17 $\rho_k=485\text{kg/m}^3$	--	28,03 $\rho_k=446\text{ kg/m}^3$	6,23	9,84
Screw Ø 4.5 mm	23-100	4200	thread section --- smooth section	15,63 $\rho_k=462\text{kg/m}^3$	--	39,87 $\rho_k=437\text{ kg/m}^3$	8,31	4,45
Screw Ø 5.0 mm	26-150	5440	thread section --- smooth section	20,60 $\rho_k=540\text{kg/m}^3$	--	48,8 $\rho_k=448\text{ kg/m}^3$	9,96	3,85
Screw Ø 6.0 mm	30-300	8290	thread section --- smooth section	19,58 $\rho_k=501\text{kg/m}^3$	--	18,68 $\rho_k=353\text{ kg/m}^3$	14,74	4,35
Characteristic density of wood ρ_k [kg/m ³]	-	-		-		-	-	-
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							



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DECLARATION OF PERFORMANCE ref. no. 202012

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:

Chipboard screws

Item name: POZI / HEXALOBULAR
Codes: 710xxxxx, 720xxxxx
Modification: diameter 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 6,0 mm, length 16 to 300 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: MUC

Intended use:

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 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: ZAG Ljubljana, Slovenia
Number of authorized person: 1404

The list of applied instructions:

EN 14592:2008+A1:2012, EU regulation No. 305/2011 (CPR), EN 1995-1-1, Reference test report No. P0710/14-630-1

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, 15-Jul-2020

Name: Dipl. Ing. Libor Jirků



ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length [mm]	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 3.0 mm	16-50	1580		22,65 $\rho_k=488\text{kg/m}^3$	--	37,41 $\rho_k=337\text{ kg/m}^3$	3,75	3,77
Screw Ø 3.5 mm	18-60	2240		15,90 $\rho_k=461\text{kg/m}^3$	--	41,45 $\rho_k=381\text{ kg/m}^3$	5,01	8,03
Screw Ø 4.0 mm	21-80	3060	thread section --- smooth section	20,17 $\rho_k=485\text{kg/m}^3$	--	37,35 $\rho_k=454\text{ kg/m}^3$	5,13	9,84
Screw Ø 4.5 mm	23-100	4200	thread section --- smooth section	15,63 $\rho_k=462\text{kg/m}^3$	--	37,68 $\rho_k=448\text{ kg/m}^3$	7,17	4,45
Screw Ø 5.0 mm	26-150	5440	thread section --- smooth section	20,60 $\rho_k=540\text{kg/m}^3$	--	46,47 $\rho_k=544\text{ kg/m}^3$	7,97	3,85
Screw Ø 6.0 mm	30-300	8290	thread section --- smooth section	19,58 $\rho_k=501\text{kg/m}^3$	--	24,84 $\rho_k=400\text{ kg/m}^3$	8,87	4,35
Characteristic density of wood ρ_k [kg/m ³]	-	-		-		-	-	450
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							



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DECLARATION OF PERFORMANCE ref. no. 201304

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:

Chipboard screws

Item name: POZI / HEXALOBULAR
Codes: 550xxxxx, 560xxxxx, 570xxxxx, 580xxxxx
Modification: diameter 3,0 / 3,5 / 4,0 / 4,5 / 5,0 / 6,0 mm, length 16 to 300 mm
Material: carbon steel
Surface: yellow zinc plated - comply with European Directive REACH
Production plant: TCS

Intended use:

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 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. E-30-20366-12, E-30-20367-12, E-30-20368-12, E-30-20369-12, 30-20370-12, 30-20371-12

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, 15-Nov-2018

Name: Dipl. Ing. Libor Jirků



ANNEXI

Product identification and the initial-type testing findings

Table 1:

Product	Length [mm]	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 3.0 mm	16-50	1423		17,95	12,25	34,73	2,95	3,57
Screw Ø 3.5 mm	18-60	2372		18,26	11,02	31,85	3,90	4,11
Screw Ø 4.0 mm	21-80	4715	thread section	19,64	13,19	25,30	5,85	3,93
		5715	smooth section					
Screw Ø 4.5 mm	23-100	5346	thread section	20,09	14,46	22,18	6,20	2,73
		7851	smooth section					
Screw Ø 5.0 mm	26-150	7792	thread section	21,01	13,71	28,10	8,19	2,95
		10088	smooth section					
Screw Ø 6.0 mm	30-300	11996	thread section	21,43	15,34	37,17	10,59	3,51
		18221	smooth section					
Characteristic density of wood ρ_k [kg/m ³]	-	-		470		405	-	450
Corrosion resistance	Service Class 1 acc. to EN 1995-1-1							