

EC DECLARATION OF PERFORMANCE

No. 202311192

According to

Construction Products Regulation : (EU) No. 305/2011

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Declare under our sole responsibility that the product:

Product: Chipboard screws

Intended use: For timber structure load.

Type, batch or serial number: IP476226-2/PI#202311192

Product identification and the initial-type findings: Refer to Annex I (Page 2)

To which this declaration relates is in conformity with

System 3 of (EU) No. 305/2011 and EN 14592:2008+A1:2012

and are tested by

STROJÍRENSKÝ ZKUŠEBNÍ ÚSTAV, s. p. (Notified Body No. 1015)

The reference test report no.:

$\phi 3.5\text{mm}$ / No. 30-10652/1 $\phi 4.0\text{mm}$ / No. 30-10652/2 $\phi 4.5\text{mm}$ / No. 30-10652/3

$\phi 5.0\text{mm}$ / No. 30-10652/4 $\phi 6.0\text{mm}$ / No. 30-10652/5

Essential characteristics	Performance	Harmonised technical specification
Mechanical resistance and stability	Reference to Annex 1	EN 14592:2008+A1:2012
Safety in case of fire	A1	EN 13501-1:2007+A1:2009
Hygiene, health and the environment	NPD	-
Safety and accessibility in use	NPD	-
Protection against noise	NPD	-
Energy economy and heat retention	NPD	-
Sustainable use of natural resources	NPD	-



Place and date: APR. 08, 2024

Position: Q.C. MANAGER

Signature: Ted Yang

ANNEX I 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 $f_{head,k} [N/mm^2]$	Characteristic tensile capacity $f_{tens,k} [kN]$	Characteristic torsional ratio
				Loading across the fibre	Loading along the fibre			
Screw ϕ 3.5 mm	16-50 mm	1 790		15,59	10,01	See Table 2	2,51	1,71
Screw ϕ 4.0 mm	20-80 mm	2 080		16,94	11,37		3,20	1,52
Screw ϕ 4.5 mm	25-80 mm	3 027		16,48	12,57		4,34	1,74
Screw ϕ 5.0 mm	25-100 mm	4 955		16,57	12,33		5,31	2,04
Screw ϕ 6.0 mm	40-200 mm	Thread section	Smooth section	15,08	10,81		7,25	1,96
		7 856	5 657					
Material	Stainless steel A4							
Corrosion resistance	passivated (service class 3 acc. to EN 1995-1-1)							

Table 2:

Characteristic head pull-through parameter $f_{head,k} [N/mm^2]$			
Head Type	Double flat head	Pan head	Oval head
Screw ϕ 3.5 mm	26,93	34,10	26,38
Screw ϕ 4.0 mm	25,90	29,09	25,82
Screw ϕ 4.5 mm	24,11	28,60	-
Screw ϕ 5.0 mm	23,41	29,88	-
Screw ϕ 6.0 mm	22,62	29,67	-