EC DECLARATION OF PERFORMANCE

According to

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

Importer (authorized representative):
Alb Fasteners bvba
Esserstraat 15, B-8550 Zwevegem, Belgium
Tel: +32 (0)56/ 77 19 81

Declare under our sole responsibility that the product:
Product: Chipboard screws

Intended use: For timber structure load.

DOP number: **AL001-BBI**

Product identification and the initial-type findings: Refer to Annex 1 (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.:
ϕ3.0 mm / No. 30-9853/2 ϕ3.5 mm / No. 30-9853/3 ϕ4.0 mm / No. 30-9853/4
ϕ4.5 mm / No. 30-9853/5 ϕ5.0 mm / No. 30-9853/6 ϕ6.0 mm / No. 30-9853/7

Essential characteristics	Performance	Harmonized 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	-

CE

Place and date: _____

Position: _____

Signature: _____

ANNEX 1

Product identification and the initial-type findings :

ϕ		*3.0 mm (Double Flat Head, CB thread)*		*3.5 mm (Double Flat Head, CB thread)*	
Specification		**Model : M3,0** Material: Carbon steel Coating: grade 1, zinc plated Length: 12 to 50 mm		**Model : M3,5** Material: Carbon steel Coating: grade 1, zinc plated Length: 18 to 60 mm	
$M_{y,k}$	*[Nmm]*	1 182		2 707	
$f_{ax,k}$	*[N/mm²]*	20,42	16,06	22,98	17,93
$f_{head,k}$	*[N/mm²]*	30,89		22,94	
$f_{tens,k}$	*[kN]*	4,21		5,82	
Characteristic torsional ratio		2,55		2,06	

ϕ		*4.0 mm (Double Flat Head, CB thread)*		*4.5 mm (Double Flat Head, CB thread)*	
Specification		**Model : M4,0** Material: Carbon steel Coating: grade 1, zinc plated Length: 20 to 80 mm		**Model : M4,5** Material: Carbon steel Coating: grade 1, zinc plated Length: 18 to 100 mm	
$M_{y,k}$	*[Nmm]*	2 913		4 960	
$f_{ax,k}$	*[N/mm²]*	22,81	16,51	19,62	16,48
$f_{head,k}$	*[N/mm²]*	21,29		20,26	
$f_{tens,k}$	*[kN]*	5,79		6,16	
Characteristic torsional ratio		2,57		2,12	

ϕ		*5.0 mm (Double Flat Head, CB thread)*		*6.0 mm (Double Flat Head, CB thread)*	
Specification		**Model : M5,0** Material: Carbon steel Coating: grade 1, zinc plated Length: 25 to 140 mm		**Model : M6,0** Material: Carbon steel Coating: grade 1, zinc plated Length: 25 to 300 mm	
$M_{y,k}$	*[Nmm]*	5 224		10 966	13 833
$f_{ax,k}$	*[N/mm²]*	21,44	16,70	19,46	15,31
$f_{head,k}$	*[N/mm²]*	21,25		20,50	
$f_{tens,k}$	*[kN]*	9,07		10,43	
Characteristic torsional ratio		2,99		2,67	

DECLARATION OF PERFORMANCE

No.A150729002-ALB

1. Unique identification code of the product-type: **Self Drilling Screw (Tapping Thread, Cutting point)**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Invoice No.: A150729002-ALB

Packing No.: A150729002

PO#14000784,15000131

SDS #2 SQUARE PAN HD W/ LOCKING SERR.(18T) BSD #2PT HT TRIVALENT ZINC

Size	Qty	Carton No.
4.2X16	30	37-110
4.2X19	17	111-185
4.2X13	23	726-798
4.2x13	12	434-469

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

The Intended use of Self Drilling Screw Family shall be in the application of common use defined in EN 14566:2008 +A1:2009 such as:

- Sheet Metal/Metal
- Sheet Metal/Wood
- Wood/Sheet Metal1

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

N/A.

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

The system of Assessment and Verification of Consistancy of Performance specified by Annex ZA of EN 14566:2008 + A1:2009 is system 4 of Annex V of Regulation No. 305/2011/EU, and is detailed as follows:

TK

(1) the manufacturer shall carry out:

(i) determination of the product-type on the basis of type testing, type calculation, tabulated values or descriptive documentation of the product;

(ii) factory production control;

(2) no tasks for the notified body.

7. **In case of the declaration of performance concerning a construction product covered by a harmonised standard:**

According toAnnex V of Regulation No. 305/2011/EU and Annex ZA of EN 14566:2008 + A1:2009, system 4, the ITT(s) and FPC tasks have been done by manufacturer and no tasks for European notified body.
The necessary ITTs (initial type tests) with prescribed test plan and FPC (factory production control) has been realized and assessment by the IAF-PAC MLA TAF accredited product certification body of MIRDC (Metal Industries Research & Development Centre, Taiwan). The Certificate of Approval of the Fasteners family of product-type has been issued by MIRDC to approve the Conformity to Regulation No. 305/2011/EU. The evidence of Conformity shall be performed ITT(s) and FPC on the basis of EN 14566:2008 + A1:2009 under AVCP system 4. (The performed ITT(s) and FPC report(s) No.: VFS1105-11-I-01 and issued Certificate of Approval by the MIRDC, IAF-PAC MLA TAF accredited product certification body in Taiwan .)

..... N/A (Not Applicable) for European notified body.....
(name and identification number of the notified body, if relevant)
performed.....under system .....
(description of the third party tasks as set out in Annex V)
and issued .....
(certificate of constancy of performance, certificate of conformity of the factory production control, test/calculation reports – as relevant)

8. **In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

..... N/A (Not Applicable) for European Technical Assessment Body.....
(name and identification number of theTechnical Assessment Body, if relevant)
issued .....
on the basis of .....
performed.....
under system.....
and issued .....

9. **Declared performance**

Essential characteristics	*Performance*	*Harmonised technical*

		specification
1- Mechanical resistance and stability		
Withdrawing Force	***Minimum value of 450N***	*EN 14566:2008 + A1:2009*
Flexural strength (Bending behavior)	***PASS***	*EN 14566:2008 + A1:2009*
Drilling Performance	***Drilling Time 4s for 2.0 ± 0.09 mm galvanized steel sheet to EN 10327***	*EN 14566:2008 + A1:2009*
Case Hardening Hardness	***Minimum case Depth 0.05 mm, Minimum Case Hardness HRC 55***	*EN 14566:2008 + A1:2009*
pull-through force	*Applying plasterboard type A of EN 520 to be tested by type testing, the performed pull-through force performance reported in Type testing Report(s).*	*EN 14566:2008 + A1:2009*
2- Safety in case of fire	***Classified A1***	*EN 13501-1* *EN 14566:2008 + A1:2009*
3- Hygiene, health and the environment	*No performance determined (NPD)*	*EN 14566:2008 + A1:2009*
4- Safety and accessibility in use	*No performance determined (NPD)*	*EN 14566:2008 + A1:2009* *EN 1995-1-1* *ISO 10666*
5- Protection against noise	*No performance determined (NPD)*	*Not Applicable (N/A)*
6-Energy economy and heat retention	*No performance determined (NPD)*	*Not Applicable (N/A)*
7-Sustainable use of natural resources *protective coating to achieve durability*	*Zinc Plating, Minimum 5 µm, above Class 24*	*EN 14566:2008 + A1:2009*
	Yellow Zinc Plating, Minimum 5 µm, above Class 24	
	SUS 410 Passivation + Waxed, Class 24	*EN ISO 9227* *EN 14566:2008 + A1:2009*
	Nickel Plated, Class 24	
	Black phosphate, above Class 48	
	Gray phosphate , above Class 48	
	Dacromet, above Class 96 or specified in individual order	
	Ruspert, above Class 96 or specified in individual order	
	Galvanizing(Mechanical Galvanizing) Minimum 25 µm, above Class 96 or specified in individual order	

Remark "No performance determined (NPD)" means for no Essential characteristics defined in Harmonised Standard EN 14566:2008 + A1:2009 but maybe mentioned or defined in reference Standard(s). The evaluation of

Basic requirements (ANNEX I of 305/2011/EU) shall be given in technical literature of product-type. The performace of essential characteristics of construction products is performed with Type testing Report(s). All initial type tests (ITTs) have been conducted by accredited laboratory or inspected by accredited inspection body under International Mutual Recognition Arrangement .

The factory production control (FPC) of products shall be inspected by accredited inspection body to demonstrate the evidence of FPC conformity under International Mutual Recognition Arrangement .

The Certificate of Approval shall be issued by accredited Product Certification Body under International Mutual Recognition Arrangement .

10. **The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.**

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4