

DECLARATION OF PERFORMANCE

DoP no. 0550Z/2018/WKSPW

1. Unique product identification code:

WKSPW (H) 5,5/6,3 x L, WKSPW (H) 5,5/6,3-20 x L, WKSPW PROTECT (H) 5,5/6,3 x L, WKSPW PROTECT (H) 5,5/6,3-20 x L, WKSPW (H) 6,5 x L, WKSPW (H) 5,5/6,3-12 x L, WKSPW PROTECT (H) 5,5/6,3-12 x L, WKSPW PROTECT (H) 5,5/6,3-16 x L, WKSPW (HS2) 5,5/6,3 x L, WKSPW (HS2) 5,5/6,3-12 x L, WKSPW (HSA2) 6,5-12 x L.

2. Intended use or uses:

The fastening screws for sandwich panels are intended to be used for fastening sandwich panels to steel or timber substructures. According to point 2 and the Annexes 1 to 30 of ETA-13/0421.

The component to be fastened is component I and the supporting structure is component II. The sandwich panel can either be used as wall or roof cladding or as load bearing wall and roof element.

The intended use comprises fastening screws and connections for indoor and outdoor applications. Fastening screws which are intended to be used in external environments with \geq C2 corrosion according to the standard EN ISO 12944-2 are made of stainless steel.

Furthermore the intended use comprises connections with predominantly static loads (e.g. wind loads, dead loads).

3. Manufacturer: P.H. „HAMAR” Sp. J. B. i H. Grzesiak, ul. Hutnicza 7, 81-061 Gdynia, Poland

4. Authorized representative: NA

5. System or systems of assessment and verification of constancy of performance: System 2+

6. European Technical Assessment: ETA-13/0421 issued dated 29.09.2017

Technical Assessment Body: Instytut Techniki Budowlanej, ul. Filtrowa 1, 00-611 Warszawa

Notified body: Notified body no. 1488

Factory Production Control Certificate 1488-CPR-0550/Z

7. Declared performance:

Essentials characteristic			Performance
Characteristic shear resistance $V_{R,k}$ [kN], supporting structure: steel S235 according to EN 10025-1, steel S280GD, S320GD or S350GD according to EN 10346 or structural timber of class \geq C24 according to EN 14081			See ETA-13/0421 of 29/09/2017
Characteristic tension resistance $N_{R,k}$ [kN], supporting structure: steel S235 according to EN 10025-1, steel S280GD, S320GD or S350GD according to EN 10346 or structural timber of class \geq C24 according to EN 14081			
No	Screw	Material	Annex
1	WKSPW (H) 5,5/6,3 x L	Galvanized carbon steel	2, 3
2	WKSPW (H) 5,5/6,3-20 x L	Galvanized carbon steel	4, 5
3	WKSPW PROTECT (H) 5,5/6,3 x L	Galvanized carbon steel with PROTECT coating	6 to 9
4	WKSPW PROTECT (H) 5,5/6,3-20 x L	Galvanized carbon steel with PROTECT coating	10, 11
5	WKSPW (H) 6,5 x L	Galvanized carbon steel	12, 13
6	WKSPW (H) 5,5/6,3-12 x L	Galvanized carbon steel	14, 15
7	WKSPW PROTECT (H) 5,5/6,3-12 x L	Galvanized carbon steel with PROTECT coating	16 to 19
8	WKSPW PROTECT (H) 5,5/6,3-16 x L	Galvanized carbon steel with PROTECT coating	20 to 23
9	WKSPW (HS2) 5,5/6,3 x L	Stainless steel	24, 25
10	WKSPW (HS2) 5,5/6,3-12 x L	Stainless steel	26, 27
11	WKSPW (HSA2) 6,5-12 x L	Stainless steel	28, 29

 Harmonized Technical Specification
ETA-13/0421 of 29/09/2017

8. Relevant technical documentation or specific technical documentation:

European Assessment Document (EAD) 330047-01-0602 "Fastening screws for sandwich panels", European Technical Assessment ETA-13/0421 issued 29.09.2017.

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Bogusław Grzesiak – partner

Gdynia 17.08.2018

[signature]