

NATIONAL DECLARATION OF PERFORMANCE**N° 10/2017**

(English translation, original version in Polish)

1. Name and trade name of the construction product:

WKSPW fasteners for sandwich panels

2. Type designation of the construction product:

PKWiU [Polish Classification of Goods and Services] 28.74.11-75.10

3. Intended use or uses:

The WKSPW drilling and self-tapping fasteners are designed for sandwich panel fixing to the structural elements of the buildings, according to paragraph 2 of ITB Technical Approval AT-15-9256/2014. WKSPW fasteners $\varnothing 6,1$ are designed to make fixings in plain concrete elements of strength class not lower than C20/25 according to PN-EN 206-1:2003 standard, including thin-walled concrete elements. WKSPW fasteners $\varnothing 6,5$ in conjunction with steel saw plugs are designed to make fixings in autoclaved aerated concrete elements with a density not less than 600 kg/m³ according to PN-EN 771-4:2012 standard.

4. Name and address of the manufacturer and place of manufacture of the product:

P.H. HAMAR Sp.J. B I H Grzesiak, ul. Hutnicza 7, 81-061 Gdynia, Poland

Manufacturing Plants: 886-043, 886-044, 886-045, 886-046, 886-245, 86-243, 86-244

5. Name and address of the authorized representative if it has been established: NA**6. The national system applied for assessment and verification of constancy of performance:**

System 2+

7. National technical specification:**7a. Polish product Standard****Name of accredited certification body, number of accreditation and number of national certificate or name of accredited laboratory/laboratories and number of accreditation:****7b. National technical assessment**

ITB Technical Approval AT-15-9256/2014

Technical assessment body / National technical assessment body

ITB Building Research Institute, ul. Filtrowa 1, 00-611 Warszawa, Poland

Name of accredited certification body, accreditation number and certificate number:

ITB Building Research Institute, ul. Filtrowa 1, 00-611 Warszawa, accreditation number AC020, Factory Production Control Certificate: ITB-0377/Z, year of issue 2016

8. Declared performance:

Essentials characteristics of the construction product for the intended use or uses	Declared performance
Torsional strength resistance of WKSPW fasteners	AT-15-9256/2014 Table 2
Design and characteristic load resistance of WKSPW fasteners	AT-15-9256/2014 - calculation values: Table 3 - characteristic values: Table 6
Characteristic pull resistance of WKSPW fasteners through sandwich panel metal cladding sheets	AT-15-9256/2014 - calculation values: Table 4 - characteristic values: Table 7
Design and characteristic shear force resistance of WKSPW fasteners	AT-15-9256/2014 - calculation values: Table 5 - characteristic values: Table 8

10. The performance of the product identified above is in conformity with the all declared performances listed in point 8. This national declaration of performance is issued in accordance with the Act of 16th April 2004 on construction products under sole responsibility of the manufacturer.

Signed for and on behalf of the manufacturer by:
M. Sc. Eng. Bogusław Grzesiak, Partner of Hamar Sp.J.

Gdynia 19.09.2017
(place and date of issue)