



1. Identification code of the product type / Trademark:

**PW PIR - S 60**

Sandwich panel type „wall panel with visible joint” with PIR core, marked with the symbol PW PIR-S 60, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm] and thickness 60 [mm]

2. Application of the product:

Self-supporting, double metal faced insulating sandwich panels, intended to be fixed to supporting structure, for partition and external walls.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13172 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: PN-EN 14509:2013-12

Notified bodies responsible for product type tests:  
Building Research Institute in Warsaw – No. 1488,  
Institute of Mechanised Construction and Rock Mining – No. 1454,  
and FIRES Laboratory in Batizovce – No. 1396.

6. Declared values of steel facings

External facing 0,5 mm, internal facing 0,5 or 0,4 mm;  
R- minimum yield strength of steel faces 220 MPa;  
Duplex system for corrosion protection – two protection layers: metallic and organic, for corrosion category RC3, atmosphere with low content of SO<sub>2</sub>.

7. Declared values

| PW PIR – S 60                         |                           |   |   |
|---------------------------------------|---------------------------|---|---|
| Thermal conductivity $\lambda_D$      | 0,023 W/m K               | Apparent core density                       | 40 kg/m <sup>3</sup> +/-3 kg/m <sup>3</sup> |
| Thermal transmittance of a panel U    | 0,36 W/(m <sup>2</sup> K) | Thermal transmittance $U_{d,s}$             | 0,38 W/(m <sup>2</sup> K)                   |
| Tensile strength                      | 110 kPa                   | Fire reaction class                         | „E”; B-s1,d0                                |
| Tensile E-modulus                     | 3,30 MPa                  | Fire resistance class to external fire      | NRO   |
| Compressive strength                  | 120 kPa                   | Wall fire resistance class                  | NPD   |
| Compressive E-modulus                 | 2,80 MPa                  | Water permeability                          | B   |
| Shear strength                        | 120 kPa                   | Air permeability                            | ≤5 m <sup>3</sup> /h/m <sup>2</sup>         |
| Shear E-modulus                       | 2,80 MPa                  | Water vapour permeability                   | impermeable                                 |
| Acoustic insulation $R_{w}(C,C_{tr})$ | 26 (-3;-4) dB             | Durability, long term mechanical properties | all colours meet the requirements           |

Product meets the tolerances according to the norm EN 14509, Annex D. Summary thermal transmittance  $U_c$  for the panels includes type of the panel joints, facing profiles, mechanical fasteners and foam aging according to the Chapter A.10. Thermal transmittance U refers to sandwich panel as building element and characteristic values for mechanical properties included in Report BPEC are in accordance with Chapter 5.

8. Summary:

Performance of above mentioned product is in conformity with the declared performances.  
This declaration of performance is issued in accordance with Regulation (EC) No 305/2011 and 574/2014 of the European Parliament under the sole responsibility of the producer identified above.

Signed on behalf of the producer: