CE	DECLARATION OF PERFORMANCE Nr 34/I/2016	Page 1 *Edition 6*

1. Identification code of the product type / Trademark:

PW PIR - D 90/132

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 90/132, modular width 1050 [mm] and thickness 90 [mm]

2. Application of the product:

Self-supporting, double metal faced insulating sandwich panels, intended to be fixed to supporting structure, for roof covers.

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
and Laboratory FIRES – 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_2.

7. Declared values

PW PIR – D 90/132			
Apparent core density	*40 kg/m^3 +/-3 kg/m^3*	*Thermal conductivity λ_D*	*0,023 W/m K*
		Thermal transmittance $U_{d,s}$	*0,24 W/(m^2 K)*
Tensile strength	*110 kPa*	*Thermal transmittance of a panel U*	*0,23 W/(m^2 K)*
Tensile E-modulus	*3,30 MPa*	*Fire reaction class*	*B-s2,d0*
Compressive strength	*120 kPa*	*External fire exposure of roof*	*B_{roof}(t1)*
Compressive E-modulus	*2,80 MPa*	*Roof fire resistance class*	*REI 30*
Shear strength	*120 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,80 MPa*	*Air permeability*	*≤5 m^3/h/m^2*
Wrinkling stress for time t= 2000 h	*1,47 [-]*	*Water vapour permeability*	*impermeable*
Wrinkling stress for time t= 10 000 h	*2,40 [-]*	*Acoustic insulation $R_W(C,C_{tr})$*	*26 (-2;-5) dB*
Characteristic values for mechanical properties	*BPEC Report*	*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 Uc 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:

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.04.2016

WICEPREZES ZARZĄDU
mgr inż. Marek Romański