



DECLARATION OF PERFORMANCE
Nr 15/I/2018

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Edition 6

1. Identification code of the product type / Trademark:

PW PIR - SU 60

Sandwich panel type „wall panel with hidden joint” with PIR core, marked with the symbol PW PIR-SU 60, modular width 1050 [mm], optional 1000 [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 ceiling, 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

and Institute of Mechanised Construction and Rock Mining – No. 1454.

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 SO₂.

7. Declared values

PW PIR – SU 60			
Thermal conductivity λ_D	0,023 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,36 W/(m ² K)	Thermal transmittance U_c	0,39 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s2,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	NPD
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤1,5 m ³ /h/m ²
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_w(C, C_{tr})$	26 (-3;-4) dB
Durability, long term mechanical properties		all colours meet the requirements	
Product meets the requirements according to the norm EN 14509, including tolerances from Annex D. Summary thermal transmittance U_c for the panels includes type of panel joints, facing profiles and mechanical fasteners. Thermal transmittance U refers to sandwich panel as building element and characteristic values for mechanical properties included in annex 1 are in accordance with Chapter 5. During exploitation sandwich panels do not pose a threat to hygiene, health or personal safety. Meets the requirements of Regulation (EC) No. 1907/2006.			

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, 568/2014 and 574/2014 of the European Parliament under the sole responsibility of the producer identified above.

Signed on behalf of the producer:



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1. Identification code of the product type / Trademark:

PW PIR - SU 80

Sandwich panel type „wall panel with hidden joint” with PIR core, marked with the symbol PW PIR-SU 80, modular width 1050 [mm], optional 1000 [mm] and thickness 80 [mm]

2. Application of the product:

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

and Institute of Mechanised Construction and Rock Mining – No. 1454.

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 SO₂.

7. Declared values

PW PIR – SU 80			
Thermal conductivity λ_D	0,023 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,27 W/(m ² K)	Thermal transmittance U_C	0,29 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s2,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	NPD
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤1,5 m ³ /h/m ²
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_W(C,C_{ti})$	26 (-3;-4) dB
Durability, long term mechanical properties		all colours meet the requirements	
Product meets the requirements according to the norm EN 14509, including tolerances from Annex D. Summary thermal transmittance U_c for the panels includes type of panel joints, facing profiles and mechanical fasteners. Thermal transmittance U refers to sandwich panel as building element and characteristic values for mechanical properties included in annex 1 are in accordance with Chapter 5. During exploitation sandwich panels do not pose a threat to hygiene, health or personal safety. Meets the requirements of Regulation (EC) No. 1907/2006.			

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1. Identification code of the product type / Trademark:

PW PIR - SU 100

Sandwich panel type „wall panel with hidden joint” with PIR core, marked with the symbol PW PIR-SU 100, modular width 1050 [mm], optional 1000 [mm] and thickness 100 [mm]

2. Application of the product:

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

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowska 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 Institute of Mechanised Construction and Rock Mining – No. 1454.

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 SO₂.

7. Declared values

PW PIR – SU 100			
Thermal conductivity λ_D	0,023 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,22 W/(m ² K)	Thermal transmittance U_C	0,23 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s2,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	EI 15 / EW 15
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤1,5 m ³ /h/m ²
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_W(C,C_{tr})$	26 (-3;-4) dB
Durability, long term mechanical properties		all colours meet the requirements	
Product meets the requirements according to the norm EN 14509, including tolerances from Annex D. Summary thermal transmittance U_c for the panels includes type of panel joints, facing profiles and mechanical fasteners. Thermal transmittance U refers to sandwich panel as building element and characteristic values for mechanical properties included in annex 1 are in accordance with Chapter 5. During exploitation sandwich panels do not pose a threat to hygiene, health or personal safety. Meets the requirements of Regulation (EC) No. 1907/2006.			

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Nr 18/I/2018

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1. Identification code of the product type / Trademark:

PW PIR - SU 120

Sandwich panel type „wall panel with hidden joint” with PIR core, marked with the symbol PW PIR-SU 120, modular width 1050 [mm], optional 1000 [mm] and thickness 120 [mm]

2. Application of the product:

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

and Institute of Mechanised Construction and Rock Mining – No. 1454.

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 SO₂.

7. Declared values

PW PIR – SU 120			
Thermal conductivity λ_D	0,023 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,19 W/(m ² K)	Thermal transmittance U_C	0,19 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s2,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	EI 15 / EW 15
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤5 m ³ /h/m ²
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_W(C,C_{tr})$	26 (-3;-4) dB
Durability, long term mechanical properties		all colours meet the requirements	
Product meets the requirements according to the norm EN 14509, including tolerances from Annex D. Summary thermal transmittance U_c for the panels includes type of panel joints, facing profiles and mechanical fasteners. Thermal transmittance U refers to sandwich panel as building element and characteristic values for mechanical properties included in annex 1 are in accordance with Chapter 5. During exploitation sandwich panels do not pose a threat to hygiene, health or personal safety. Meets the requirements of Regulation (EC) No. 1907/2006.			

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