



DECLARATION OF PERFORMANCE
Nr 23/I/2018

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Edition 6

1. Identification code of the product type / Trademark:

PW PIR - CH 120

Sandwich panel type „coldroom panel” with PIR core, marked with the symbol PW PIR-CH 120, modular width 1130 [mm], optional 1000 [mm] or 1050 [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. 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 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 SO₂.

7. Declared values

PW PIR – CH 120			
Thermal conductivity λ_D	0,022 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,18 W/(m ² K)	Thermal transmittance U_c	0,18 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,20 MPa	Wall fire resistance class	EI 30
Compressive strength	110 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 3 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:



DECLARATION OF PERFORMANCE
Nr 24/I/2018

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Edition 6

1. Identification code of the product type / Trademark:

PW PIR - CH 160

Sandwich panel type „coldroom panel” with PIR core, marked with the symbol PW PIR-CH 160, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm] and thickness 160 [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 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 SO₂.

7. Declared values

PW PIR – CH 160			
Thermal conductivity λ_D	0,022 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,13 W/(m ² K)	Thermal transmittance U_c	0,14 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,20 MPa	Wall fire resistance class	EI 30
Compressive strength	110 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 3 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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Signed on behalf of the producer:



DECLARATION OF PERFORMANCE
Nr 25/I/2018

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Edition 6

1. Identification code of the product type / Trademark:

PW PIR - CH 180

Sandwich panel type „coldroom panel” with PIR core, marked with the symbol PW PIR-CH 180, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm] and thickness 180 [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 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 SO₂.

7. Declared values

PW PIR – CH 180			
Thermal conductivity λ_D	0,022 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,12 W/(m ² K)	Thermal transmittance U_c	0,12 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,20 MPa	Wall fire resistance class	EI 30
Compressive strength	110 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 3 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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Signed on behalf of the producer:



Chorzów, 10.04.2018

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 26/I/2018

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Edition 6

1. Identification code of the product type / Trademark:

PW PIR - CH 200

Sandwich panel type „coldroom panel” with PIR core, marked with the symbol PW PIR-CH 200, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm] and thickness 200 [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 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 SO₂.

7. Declared values

PW PIR – CH 200			
Thermal conductivity λ_D	0,022 W/m K	Apparent core density	40 kg/m ³ +/-3 kg/m ³
Thermal transmittance of a panel U	0,11 W/(m ² K)	Thermal transmittance U_C	0,11 W/(m ² K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,20 MPa	Wall fire resistance class	EI 30
Compressive strength	110 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 3 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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