



# DECLARATION OF PERFORMANCE

Nr 6/I/2018

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Edition 6

## 1. Identification code of the product type / Trademark:

**PW PIR - S 40**

**Sandwich panel type „wall panel with visible joint” with PIR core, marked with the symbol PW PIR-S 40, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm] and thickness 40 [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,  
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 40			
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	0,52 W/(m <sup>2</sup> K)	Thermal transmittance $U_c$	0,59 W/(m <sup>2</sup> K)
Tensile strength	110 kPa	Fire reaction class	B-s1,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 <sup>3</sup> /h/m <sup>2</sup>
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_w(C,C_w)$	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:



# DECLARATION OF PERFORMANCE

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Edition 6

## 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 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,

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 $U_c$	0,38 W/(m <sup>2</sup> K)
Tensile strength	110 kPa	Fire reaction class	B-s1,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 <sup>3</sup> /h/m <sup>2</sup>
Shear strength	120 kPa	Water vapour permeability	impermeable
Shear E-modulus	2,80 MPa	Acoustic insulation $R_w(C,C_w)$	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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Signed on behalf of the producer:





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1. Identification code of the product type / Trademark:

**PW PIR - S 80**

**Sandwich panel type „wall panel with visible joint” with PIR core, marked with the symbol PW PIR-S 80, modular width 1130 [mm], optional 1000 [mm] or 1050 [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,  
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 80			
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	0,27 W/(m <sup>2</sup> K)	Thermal transmittance $U_c$	0,28 W/(m <sup>2</sup> K)
Tensile strength	110 kPa	Fire reaction class	B-s1,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 <sup>3</sup> /h/m <sup>2</sup>
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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Signed on behalf of the producer:



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1. Identification code of the product type / Trademark:

**PW PIR - S 100**

**Sandwich panel type „wall panel with visible joint” with PIR core, marked with the symbol PW PIR-S 100, modular width 1130 [mm], optional 1000 [mm] or 1050 [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. 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 100			
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	0,22 W/(m <sup>2</sup> K)	Thermal transmittance $U_c$	0,22 W/(m <sup>2</sup> K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	EI 30
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤1,5 m <sup>3</sup> /h/m <sup>2</sup>
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:

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Signed on behalf of the producer:

WICEPREZES ZARZĄDU

mgr inż. Marek Romański





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**Nr 10/I/2018**

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*Edition 6*

1. Identification code of the product type / Trademark:

**PW PIR - S 120**

**Sandwich panel type „wall panel with visible joint” with PIR core, marked with the symbol PW PIR-S 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,*

*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 120			
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	0,19 W/(m <sup>2</sup> K)	Thermal transmittance $U_c$	0,19 W/(m <sup>2</sup> K)
Tensile strength	110 kPa	Fire reaction class	B-s1,d0
Tensile E-modulus	3,30 MPa	Wall fire resistance class	EI 30
Compressive strength	120 kPa	Water permeability	B
Compressive E-modulus	2,80 MPa	Air permeability	≤1,5 m <sup>3</sup> /h/m <sup>2</sup>
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:

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Signed on behalf of the producer: