



DECLARATION OF PERFORMANCE

Nr 34/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 40/82

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 40/82, modular width 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 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 SO₂.

7. Declared values

PW PIR – D 40/82			
Apparent core density	40 kg/m ³ +/-3 kg/m ³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,50 W/(m ² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,48 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} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,80 MPa	Roof fire resistance class	NPD
Shear strength	120 kPa	Water permeability	B
Shear E-modulus	2,80 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C,C_{tr})$	26 (-2;-5) 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 2 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:

PANELTECH
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.11.2019

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 35/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 60/102

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 60/102, modular width 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 roof covers.

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 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 SO₂.

7. Declared values

PW PIR – D 60/102			
Apparent core density	40 kg/m ³ +/-3 kg/m ³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,35 W/(m ² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,34 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} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,80 MPa	Roof fire resistance class	NPD
Shear strength	120 kPa	Water permeability	B
Shear E-modulus	2,80 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation R _w (C,C _{tr})	26 (-2;-5) 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 2 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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PANELTECH
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.11.2019

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 36/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 80/122

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 80/122, modular width 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 roof covers.

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 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 SO₂.

7. Declared values

PW PIR – D 80/122			
Apparent core density	40 kg/m³ +/-3 kg/m³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,27 W/(m² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,26 W/(m² K)
Tensile E-modulus	3,30 MPa	Fire reaction class	B,s2-d0
Compressive strength	120 kPa	External fire exposure of roof	$B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
Compressive E-modulus	2,80 MPa	Roof fire resistance class	NPD
Shear strength	120 kPa	Water permeability	B
Shear E-modulus	2,80 MPa	Air permeability	≤1,5 m³/h/m²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C,C_{tr})$	26 (-2;-5) 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 2 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:

PANELTECH
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.11.2019

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 37/I/2019

Page 1

Edition 9

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 SO₂.

7. Declared values

PW PIR – D 90/132			
Apparent core density	40 kg/m³ +/-3 kg/m³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,24 W/(m² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,23 W/(m² K)
Tensile E-modulus	3,30 MPa	Fire reaction class	B-s2, d0
Compressive strength	120 kPa	External fire exposure of roof	$B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
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	≤1,5 m³/h/m²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C, C_{tr})$	26 (-2;-5) 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 2 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:



Chorzów, 04.11.2019

WICEPREZES ZARZĄDU
[Signature]
mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 38/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 100/142

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 100/142, modular width 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 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 SO₂.

7. Declared values

PW PIR – D 100/142			
Apparent core density	40 kg/m ³ +/-3 kg/m ³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,22 W/(m ² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,21 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	$B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
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	≤1,5 m ³ /h/m ²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C,C_{tr})$	26 (-2;-5) 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 2 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:



Chorzów, 04.11.2019

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 39/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 120/162

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 120/162, modular width 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 roof covers.

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 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 SO₂.

7. Declared values

PW PIR – D 120/162			
Apparent core density	40 kg/m ³ +/-3 kg/m ³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,18 W/(m ² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,18 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	$B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
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	≤1,5 m ³ /h/m ²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C,C_{tr})$	26 (-2;-5) 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 2 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:

PANELTECH
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.11.2019

WICEPREZES ZARZĄDU

mgr inż. Marek Romański



DECLARATION OF PERFORMANCE
Nr 40/I/2019

Page 1

Edition 9

1. Identification code of the product type / Trademark:

PW PIR - D 160/202

Roof sandwich panel with PIR core, marked with the symbol PW PIR-D 160/202, modular width 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 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 SO₂.

7. Declared values

PW PIR – D 160/202			
Apparent core density	40 kg/m³ +/-3 kg/m³	Thermal conductivity λ_D	0,023 W/m K
		Thermal transmittance U_c	0,14 W/(m² K)
Tensile strength	110 kPa	Thermal transmittance of a panel U	0,14 W/(m² K)
Tensile E-modulus	3,30 MPa	Fire reaction class	B-s2,d0
Compressive strength	120 kPa	External fire exposure of roof	$B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
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	≤1,5 m³/h/m²
Wrinkling stress for time t= 2000 h	1,95 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t= 10 000 h	3,17[-]	Acoustic insulation $R_w(C,C_{tr})$	26 (-2;-5) 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 2 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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PANELTECH
NOWOCZESNE BUDOWNICTWO

Chorzów, 04.11.2019

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mgr inż. Marek Romański