

Declaration of performance no. 3/I/DL

1. Identification code of the product type / Trademark: PWPIR-D LITE 80

Roof sandwich panel with polyisocyanurate core, marked with the symbol PWPIR-D LITE 80, 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. Michałkowicka 24.

4. Evaluation and verification system of product performances:

Conformity valuation system 3.

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:

Facing thicknesses: 0.4; 0.5; 0.6 mm;

R- minimum yield strength of steel faces 220 MPa;

Corrosion protection system with two protective coatings: metallic and organic

7. Declared values:

PWPIR-D LITE 80			
Apparent core density	35,5 kg/m ³ +/- 5 %	Thermal conductivity λ_D	0,023 W/m K
Tensile strength	75 kPa	Thermal transmittance U_C	0,27 W/(m ² K)
Tensile E-modulus	2,00 MPa	Fire reaction class	B-s1,d0
Compressive strength	115 kPa	External fire exposure of roof	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,40 MPa	Roof fire resistance class	NPD
Shear strength	105 kPa	Water permeability	B
Shear E-modulus	2,97 MPa	Air permeability	≤ 1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,32 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	2,15 [-]	Acoustic insulation R _w (C, C _{tr})	NPD
Durability, long term mechanical properties - all colours meet the requirements			
The product conforms to PN-EN 14509, including: dimensional tolerances comply with Appendix D. The characteristic values for mechanical properties were obtained by applying a rule of combining products, and were included in Appendix 2.1. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with 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 of the European Parliament under the sole responsibility of the producer identified above.

PREZES ZARZĄDU

mgr Marek Skowron

Chorzów, 25.04.2025

Signed on behalf of the producer:
(full name)

Declaration of performance no. 5/I/DL

1. Identification code of the product type / Trademark: PWPIR-D LITE 100

Roof sandwich panel with polyisocyanurate core, marked with the symbol PWPIR-D LITE 100, 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.

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:

Facing thicknesses: 0.4; 0.5; 0.6 mm;

R- minimum yield strength of steel faces 220 MPa;

Corrosion protection system with two protective coatings: metallic and organic

7. Declared values:

PWPIR-D LITE 100			
Apparent core density	35,5 kg/m ³ +/- 5 %	Thermal conductivity λ_D	0,023 W/m K
Tensile strength	75 kPa	Thermal transmittance U_C	0,22 W/(m ² K)
Tensile E-modulus	2,00 MPa	Fire reaction class	B-s1,d0
Compressive strength	115 kPa	External fire exposure of roof	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,40 MPa	Roof fire resistance class	REI 15/RE60
Shear strength	105 kPa	Water permeability	B
Shear E-modulus	2,67 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,32 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	2,15 [-]	Acoustic insulation R _w (C,C _{tr})	NPD
Durability, long term mechanical properties - all colours meet the requirements			
The product conforms to PN-EN 14509, including: dimensional tolerances comply with Appendix D. The characteristic values for mechanical properties were obtained by applying a rule of combining products, and were included in Appendix 2.1. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with Regulation (EC) No. 1907/2006.			

8. Summary:

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PREZES ZARZĄDU

mgr Marek Skowron

Chorzów, 25.04.2025

Signed on behalf of the producer:
(full name)

Declaration of performance no. 6/I/DL

1. Identification code of the product type / Trademark: PWPIR-D LITE 120

Roof sandwich panel with polyisocyanurate core, marked with the symbol PWPIR-D LITE 120, 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.

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:

Facing thicknesses: 0.4; 0.5; 0.6 mm;

R- minimum yield strength of steel faces 220 MPa;

Corrosion protection system with two protective coatings: metallic and organic

7. Declared values:

PWPIR-D LITE 120			
Apparent core density	35,5 kg/m ³ +/- 5 %	Thermal conductivity λ_D	0,023 W/m K
Tensile strength	75 kPa	Thermal transmittance U_c	0,18 W/(m ² K)
Tensile E-modulus	2,00 MPa	Fire reaction class	B-s1,d0
Compressive strength	115 kPa	External fire exposure of roof	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,40 MPa	Roof fire resistance class	REI 15/RE60
Shear strength	105 kPa	Water permeability	B
Shear E-modulus	2,48 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,32 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	2,15 [-]	Acoustic insulation R _w (C,C _{tr})	NPD
Durability, long term mechanical properties - all colours meet the requirements			
The product conforms to PN-EN 14509, including: dimensional tolerances comply with Appendix D. The characteristic values for mechanical properties were obtained by applying a rule of combining products, and were included in Appendix 2.1. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with 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 of the European Parliament under the sole responsibility of the producer identified above.

PREZES ZARZĄDU

mgr Marek Skowron

Chorzów, 25.04.2025

Signed on behalf of the producer:
(full name)

Declaration of performance no. 7/I/DL

1. Identification code of the product type / Trademark: PWPIR-D LITE 145

Roof sandwich panel with polyisocyanurate core, marked with the symbol PWPIR-D LITE 145, modular width 1050 [mm] and thickness 145 [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.

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:

Facing thicknesses: 0.4; 0.5; 0.6 mm;

R- minimum yield strength of steel faces 220 MPa;

Corrosion protection system with two protective coatings: metallic and organic

7. Declared values:

PWPIR-D LITE 145			
Apparent core density	35,5 kg/m ³ +/- 5 %	Thermal conductivity λ_D	0,023 W/m K
Tensile strength	75 kPa	Thermal transmittance U_c	0,16 W/(m ² K)
Tensile E-modulus	2,00 MPa	Fire reaction class	B-s1,d0
Compressive strength	115 kPa	External fire exposure of roof	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,40 MPa	Roof fire resistance class	REI 15/RE60
Shear strength	105 kPa	Water permeability	B
Shear E-modulus	2,25 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,32 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	2,15 [-]	Acoustic insulation $R_w(C,C_{tr})$	NPD
Durability, long term mechanical properties - all colours meet the requirements			
The product conforms to PN-EN 14509, including: dimensional tolerances comply with Appendix D. The characteristic values for mechanical properties were obtained by applying a rule of combining products, and were included in Appendix 2.1. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with 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 of the European Parliament under the sole responsibility of the producer identified above.

PREZES Zarządu

mgr Marek Skowron

Signed on behalf of the producer:
(full name)

Chorzów, 25.04.2025

Declaration of performance no. 8/I/DL

1. Identification code of the product type / Trademark: PWPIR-D LITE 160

Roof sandwich panel with polyisocyanurate core, marked with the symbol PWPIR-D LITE 160, 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.

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:

Facing thicknesses: 0.4; 0.5; 0.6 mm;

R- minimum yield strength of steel faces 220 MPa;

Corrosion protection system with two protective coatings: metallic and organic

7. Declared values:

PWPIR-D LITE 160			
Apparent core density	35,5 kg/m ³ +/- 5 %	Thermal conductivity λ_D	0,023 W/m K
Tensile strength	75 kPa	Thermal transmittance U_c	0,14 W/(m ² K)
Tensile E-modulus	2,00 MPa	Fire reaction class	B-s1,d0
Compressive strength	115 kPa	External fire exposure of roof	B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	2,40 MPa	Roof fire resistance class	REI 15/RE60
Shear strength	105 kPa	Water permeability	B
Shear E-modulus	2,11 MPa	Air permeability	≤ 1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,32 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	2,15 [-]	Acoustic insulation $R_w(C,C_{tr})$	NPD
Durability, long term mechanical properties - all colours meet the requirements			
The product conforms to PN-EN 14509, including: dimensional tolerances comply with Appendix D. The characteristic values for mechanical properties were obtained by applying a rule of combining products, and were included in Appendix 2.1. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with 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 of the European Parliament under the sole responsibility of the producer identified above.

PREZES ZARZĄDU

Chorzów, 25.04.2025

mgr Marek Skowron

Signed on behalf of the producer:
(full name)