

Declaration of performance no. 37/MWD

1. Identification code of the product type / Trademark: **PWW-D 80**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 80, modular width 1050 [mm] and thickness 80 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 80			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,46 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B_{roof} ; $B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
Compressive E-modulus	4,40 MPa	Roof fire resistance class	NPD
Shear strength	45 kPa	Water permeability	B
Shear E-modulus	2,80 MPa	Air permeability	$\leq 1,5$ m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation $R_w(C,C_{tr})$	31 (-1;-3) dB
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 3. 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.

Chorzów, 13.02.2023

WICEPREZES ZARZĄDU
mgr inż. Marek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 38/MWD

1. Identification code of the product type / Trademark: **PWW-D 100**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 100, modular width 1050 [mm] and thickness 100 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 100			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,38 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B _{roof} ; B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	45 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	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation R _W (C,C _{tr})	31 (-1;-3) dB
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 3. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with Regulation (EC) No. 1907/2006.			

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WICEPREZES ZARZĄDU

mgr inż. Marek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 39/MWD

1. Identification code of the product type / Trademark: **PWW-D 120**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 120, modular width 1050 [mm] and thickness 120 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 120			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,32 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B _{roof} ; B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	45 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	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation $R_w(C,C_{tr})$	31 (-1;-3) dB
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 3. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with Regulation (EC) No. 1907/2006.			

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Chorzów, 13.02.2023

WICEPREZES ZARZĄDU

mgr inż. Marek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 49/MWD

1. Identification code of the product type / Trademark: **PWW-D 150**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 150, modular width 1050 [mm] and thickness 150 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 150			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,26 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B_{roof} ; $B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	35 kPa	Water permeability	B
Shear E-modulus	2,00 MPa	Air permeability	$\leq 1,5$ m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation $R_W(C,C_{tr})$	31 (-1;-3) dB
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 3. 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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Chorzów, 13.02.2023

WICEPREZES ZARZĄDU

mgr inż. Marek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 41/MWD

1. Identification code of the product type / Trademark: **PWW-D 160**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 160, modular width 1050 [mm] and thickness 160 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 160			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,24 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B_{roof} ; $B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	35 kPa	Water permeability	B
Shear E-modulus	2,00 MPa	Air permeability	$\leq 1,5$ m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation $R_w(C,C_{tr})$	31 (-1;-3) dB
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 3. 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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Chorzów, 13.02.2023

WICEPREZES ZARZĄDU

mgr inż. Marek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 42/MWD

1. Identification code of the product type / Trademark: **PWW-D 180**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 180, modular width 1050 [mm] and thickness 180 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 180			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_D	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,22 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B _{roof} ; B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	35 kPa	Water permeability	B
Shear E-modulus	2,00 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation R _w (C,C _{tr})	31 (-1;-3) dB
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 3. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with Regulation (EC) No. 1907/2006.			

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Chorzów, 13.02.2023

WICEPREZES ZARZĄDU

mgr inż. Matek Romański

Signed on behalf of the producer:
(full name)

Declaration of performance no. 43/MWD

1. Identification code of the product type / Trademark: **PWW-D 200**

Roof sandwich panel with mineral wool core, marked with the symbol PWW-D 200, modular width 1050 [mm] and thickness 200 [mm].

2. Application of the construction 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 the FIRES Laboratory in Batizovce, notification 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:

PWW-D 200			
Apparent core density	100 kg/m ³ +15/-10 %	Thermal conductivity λ_0	0,041 W/m K
Tensile strength	90 kPa	Thermal transmittance U_c	0,20 W/(m ² K)
Tensile E-modulus	5,50 MPa	Fire reaction class	A2-s1,d0
Compressive strength	100 kPa	External fire exposure of roof	B _{roof} ; B _{roof} (t ₁) and B _{roof} (t ₂) and B _{roof} (t ₃)
Compressive E-modulus	4,40 MPa	Roof fire resistance class	REI 120
Shear strength	35 kPa	Water permeability	B
Shear E-modulus	2,00 MPa	Air permeability	≤1,5 m ³ /h/m ²
Wrinkling stress for time t = 2000 h	1,09 [-]	Water vapour permeability	impermeable
Wrinkling stress for time t = 10 000 h	1,98 [-]	Acoustic insulation R _w (C,C _{tr})	31 (-1;-3) dB
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 3. When in use sandwich panels pose no risk to hygiene, health or safety of humans. They comply with Regulation (EC) No. 1907/2006.			

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