CE	DECLARATION OF PERFORMANCE No. 37/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 80

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 80/122 of 1050 [mm] in width of coverage and 80 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488
and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 80/122			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,46 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,45 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*NPD*
Shear strength	*45 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,80 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C, C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

WICEPREZES ZARZĄDU

mgr inż. Marek Romański
On behalf of the manufacturer:

(full name)

CE	DECLARATION OF PERFORMANCE No. 38/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 100

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 100/142 of 1050 [mm] in width of coverage and 100 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488
and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 100/142			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,38 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,37 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*45 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,80 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C;C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

mgr inz. Marek Romański

On behalf of the manufacturer:

(full name)

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

CE	DECLARATION OF PERFORMANCE No. 39/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 120

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 120/162 of 1050 [mm] in width of coverage and 120 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488 and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 120/162			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,32 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,31 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*45 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,80 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W(C;C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

mgr inż. Marek Romański
On behalf of the manufacturer:

(full name)

CE	DECLARATION OF PERFORMANCE No. 40/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 140

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 140/182 of 1050 [mm] in width of coverage and 140 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488 and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 140/182			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,28 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,27 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C, C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

mgr inż. Marek Rompański

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

On behalf of the manufacturer:

(full name)

CE	DECLARATION OF PERFORMANCE No. 41/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 160

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 160/202 of 1050 [mm] in width of coverage and 160 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488 and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 160/202			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,24 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,24 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W(C;C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics. This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

PANELTECH® NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

mgr inż. Marek Romański

On behalf of the manufacturer:

(full name)

CE	DECLARATION OF PERFORMANCE No. 42/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 180

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 180/222 of 1050 [mm] in width of coverage and 180 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488
and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 180/222			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,22 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,21 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C, C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

mgr inż. Marek Romański

On behalf of the manufacturer:

(full name)

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

CE	DECLARATION OF PERFORMANCE No. 43/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 200

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 200/242 of 1050 [mm] in width of coverage and 200 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488
and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 200/242			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,20 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,19 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C, C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

WICEPREZES ZARZĄDU
mgr inż. Marek Romański
On behalf of the manufacturer:

(full name)

CE	**DECLARATION OF PERFORMANCE** **No. 44/18/MWD**	**Page 1** *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 225

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 225/267 of 1050 [mm] in width of coverage and 225 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488 and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 225/267			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,18 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,17 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W(C;C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics. This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

WICEPREZES ZARZĄDU

mgr inż. Marek Remański

On behalf of the manufacturer:

(full name)

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

CE	DECLARATION OF PERFORMANCE No. 45/18/MWD	Page 1 *Edition 2*

1. Identification code of the product-type / Trade name:

PWW - D 250

"Roofing" sandwich panel with a mineral wool insulating core marked PWW-D 250/292 of 1050 [mm] in width of coverage and 250 [mm] in nominal thickness

2. Application of the construction product:

Self-supporting, insulating sandwich panels with double steel facing, intended to be fixed to supporting structure to execute building partitions - roofs and roofing.

3. Producer:

Paneltech Sp. z o.o., 41-508 Chorzów, ul. Michałkowicka 24.

4. Performance consistency verification and assessment system for a construction product

Conformity system 3 was applied according to the guidelines of EN 13172 and EN 14509.

5. Harmonized standard / Notified bodies participating in product type determinations:

Harmonized standard: EN 14509:2013
Notified bodies participating in product type determinations:
Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488
and the FIRES Laboratory in Batizovce, notification no. 1396.

6. Declared performance of steel facings.

Steel facings: external 0,5 or 0,6 mm in thickness and internal of 0,5 mm in thickness.
R - arbitrary plasticity limit of steel, minimum 220 MPa;
Anti-corrosive system, two protective coats: metallic and organic, which contribute to a RC 3 anti-corrosive rating for atmospheres with low SO_2 contents.

7. Declared performance

PWW – D 250/292			
Apparent density	*100 kg/m³ +15/-10%*	*Thermal conductivity λ_D*	*0,041 W/m K*
		Thermal transmittance U_c	*0,16 W/(m² K)*
Tensile strength	*90 kPa*	*Thermal transmittance U*	*0,16 W/(m² K)*
Tensile E-modulus	*5,50 MPa*	*Reaction to fire*	*A2-s1,d0*
Compressive strength	*100 kPa*	External fire exposure to roof	*B_{roof}*
Compressive E-modulus	*4,40 MPa*	*Fire resistance classification of the roof*	*REI 120*
Shear strength	*35 kPa*	*Water permeability*	*B*
Shear E-modulus	*2,00 MPa*	*Air permeability*	*≤1,5 m³/h/m²*
Creep coefficient for time t = 2000 h	*1,09 [-]*	*Water vapour permeability*	*impermeable*
Creep coefficient for time t = 10000 h	*1,98 [-]*	Airborne sound insulation $R_W (C, C_{tr})$	*31(-1;-3)*
Durability, long-term mechanical properties		*All colours meet the requirements*	
The product observes the requirements of EN 14509, including: the dimensional tolerances comply with Annex D, Summary thermal transmittance Uc for the sandwich panel considers the suitable type of steel joint, facing profiles and mechanical fasteners, the thermal transmittance U concerns the sandwich panel as a building element, and the characteristic values for mechanical properties, as included in annex 3, comply with Chapter 5. During use, sandwich panels do not pose a threat to human hygiene, health or life. They fulfil the requirements of Regulation (EC) No. 1907/2006.			

8. Summary:

The performance of the above-specified product complies with the list of declared performance characteristics.
This declaration of performance is issued according to Regulations of the European Parliament (EU) no. 305/2011, 568/2014 and 574/2014 at the sole responsibility of the manufacturer specified above.

PANELTECH®
NOWOCZESNE BUDOWNICTWO

Chorzów, 22.10.2018

WICEPREZES ZARZĄDU
mgr inż. Marek Romański
On behalf of the manufacturer:

(full name)