	DECLARATION OF PERFORMANCE No. 14/18/EPSP	Page 1
		<i>Edition 1</i>

1. Identification code of the product type / Trademark:

PWS - D 80

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

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 80/122			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,45 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,44 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h/m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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

Signed for on behalf of the producer:

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		<i>Edition 1</i>

1. Identification code of the product type / Trademark:

PWS - D 100

“Roofing” sandwich panel with a EPS insulating core marked PWS-D 100/142 of 1050 [mm] in width of coverage and 100 [mm] in nominal thickness

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 100/142			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,37 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,36 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h/m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

1. Identification code of the product type / Trademark:

PWS - D 120

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

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 120/162			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,31 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,31 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h/m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

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1. Identification code of the product type / Trademark:

PWS - D 140

“Roofing” sandwich panel with a EPS insulating core marked PWS-D 140/182 of 1050 [mm] in width of coverage and 140 [mm] in nominal thickness

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 140/182			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,27 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,27 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h/m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

1. Identification code of the product type / Trademark:

PWS - D 150

"Roofing" sandwich panel with a EPS insulating core marked PWS-D 150/192 of 1050 [mm] in width of coverage and 150 [mm] in nominal thickness

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 150/192			
Apparent core density	12,5 kg/m³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,25 W/(m² K)
Tensile strength	90 kPa	Thermal transmittance U	0,25 W/(m² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	≤1,5 m³/h/m²
Creep coefficient for time $t = 2000$ h	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000$ h	3,0 [-]	Acoustic insulation R_W (C, C_{tr})	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

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1. Identification code of the product type / Trademark:

PWS - D 160

“Roofing” sandwich panel with a EPS insulating core marked PWS-D 160/202 of 1050 [mm] in width of coverage and 160 [mm] in nominal thickness

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 160/202			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,24 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,23 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	≤1,5 m ³ /h/m ²
Creep coefficient for time $t = 2000$ h	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000$ h	3,0 [-]	Acoustic insulation $R_W(C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

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1. Identification code of the product type / Trademark:

PWS - D 180

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

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 180/222			
Apparent core density	12,5 kg/m³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,21 W/(m² K)
Tensile strength	90 kPa	Thermal transmittance U	0,21 W/(m² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h/m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

1. Identification code of the product type / Trademark:

PWS - D 200

“Roofing” sandwich panel with a EPS insulating core marked PWS-D 200/242 of 1050 [mm] in width of coverage and 200 [mm] in nominal thickness

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 200/242			
Apparent core density	12,5 kg/m³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,19 W/(m² K)
Tensile strength	90 kPa	Thermal transmittance U	0,19 W/(m² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h}/\text{m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

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1. Identification code of the product type / Trademark:

PWS - D 225

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

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 225/267			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,17 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,17 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	≤1,5 m ³ /h/m ²
Creep coefficient for time t = 2000 h	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time t = 10000 h	3,0 [-]	Acoustic insulation R_W (C, C_{tr})	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.

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1. Identification code of the product type / Trademark:

PWS - D 250

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

2. Application of the 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. Evaluation and verification system of product performances

Conformity valuation system 3 was applied according to the requirements of the norms EN 13163 and EN 14509.

5. Harmonized norm / Notified bodies:

Harmonized norm: EN 14509:2013-12

Notified bodies responsible for product type tests:

Building Research Institute, Research Laboratory Complex in Warsaw, notification no. 1488

6. Declared values of steel facings

Steel facings: external 0,5 mm in thickness and internal 0,5 or 0,4 mm in thickness.

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

PWS – D 250/292			
Apparent core density	12,5 kg/m ³ +/-10%	Thermal conductivity λ_D	0,040 W/m K
		Thermal transmittance U_c	0,15 W/(m ² K)
Tensile strength	90 kPa	Thermal transmittance U	0,15 W/(m ² K)
Tensile E-modulus	2,2 MPa	Fire reaction class	NPD
Compressive strength	55 kPa	External fire exposure to roof	B_{roof}
Compressive E-modulus	1,9 MPa	Roof fire resistance class	NPD
Shear strength	50 kPa	Water permeability	B
Shear E-modulus	2,04 MPa	Air permeability	$\leq 1,5 \text{ m}^3/\text{h}/\text{m}^2$
Creep coefficient for time $t = 2000 \text{ h}$	1,0 [-]	Water vapour permeability	impermeable
Creep coefficient for time $t = 10000 \text{ h}$	3,0 [-]	Acoustic insulation $R_W (C, C_{tr})$	NPD
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 U_c 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 2, 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:

Performance of above mentioned product is in conformity with the declared performances. 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.