

Declaration of performance no. 4/PW/MWD

1. Identification code of the product type / Trademark: PWW-D 80, PWW-D 100, PWW-D 120, PWW-D 150, PWW-D 160, PWW-D 180, PWW-D 200, PWW-D 230

Sandwich panel type „roof” with mineral wool core, marked with the symbol PWW-D 80, PWW-D 100, PWW-D 120, PWW-D 150, PWW-D 160, PWW-D 180, PWW-D 200, PWW-D 230, modular width 1050 [mm], and thickness 80, 100, 120, 150, 160, 180, 200, 230 [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, notification 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									
Panel thickness [mm]		80	100	120	150	160	180	200	230
Thermal conductivity, λ_0 [W/(m·K)]		0.041							
Thermal transmittance, U_c [W/(m ² ·K)]		0.46	0.38	0.32	0.26	0.24	0.22	0.20	0.18
Tensile strength [MPa]		0.090							
Tensile E-modulus [MPa]		5.5							
Compressive strength [MPa]		0.10							
Compressive E-modulus [MPa]		4.4							
Shear strength [MPa]		0.045			0.035				
Shear E-modulus [MPa]		2.8			2.0				
Wrinkling stress [MPa]	In span	External facing	242	235	228	218	214	204	179
		External facing, elevated temperature	242	235	228	218	214	204	179
		Internal facing	115		113	110	105	101	95
	At central support	External facing	280						
		External facing, elevated temperature	280						
		Internal facing	132		127	122	113	103	90

PWW-D									
Panel thickness [mm]	80	100	120	150	160	180	200	230	
Apparent core density [kg/m³]	100 +15/-10%								
Fire reaction class	A2-s1,d0								
External fire exposure of roof	Broof; Broof(t₁), Broof(t₂) i Broof(t₃)								
Roof fire resistance class	NPD	REI 120							
Water permeability	B								
Air permeability [m³/(h·m²)]	≤1.5								
Water vapour permeability	impermeable								
Acoustic insulation, R _w (C,Ctr) [dB]	31 (-1;-3)								
Wrinkling stress for time t = 2 000 h	1.09 [-]								
Wrinkling stress for time t = 10 000 h	1.98 [-]								
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 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, 568/2014, and 574/2014 of the European Parliament under the sole responsibility of the producer identified above.

PREZES ZARZĄDU

mgr Marek Skowron

Chorzów, 03.08.2026

Signed on behalf of the producer:
(full name)