

Declaration of performance no. 2/PW/MWSL

1. Identification code of the product type / Trademark: PWW-S LITE 100, PWW-S LITE 120, PWW-S LITE 140, PWW-S LITE 150, PWW-S LITE 160, PWW-S LITE 180, PWW-S LITE 200

Sandwich panel type „wall panel with visible joint” with mineral wool core, marked with the symbol PWW-S LITE 100, PWW-S LITE 120, PWW-S LITE 140, PWW-S LITE 150, PWW-S LITE 160, PWW-S LITE 180, PWW-S LITE 200, modular width 1130 [mm], optional 1000 [mm] or 1050 [mm], and thickness 100, 120, 140, 150, 160, 180, 200 [mm].

2. Application of the product:

Self-supporting, double metal faced insulating sandwich panels, intended to be fixed to supporting structure, for ceiling, partition and external walls.

3. Producent: 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-S LITE						
Panel thickness [mm]		100	120	140	150	160	180	200
Thermal conductivity, λ_D [W/(m·K)]		0.039						
Thermal transmittance, UC [W/(m ² ·K)]		0.38	0.32	0.27	0.25	0.24	0.21	0.19
Tensile strength [MPa]		0.075		0.045				
Tensile E-modulus [MPa]		4.7						
Compressive strength [MPa]		0.060						
Compressive E-modulus [MPa]		3.5						
Shear strength [MPa]		0.030		0.020				
Shear E-modulus [MPa]		2.5		1.6				
Wrinkling stresses [MPa]	In span	External facing	72		70	68	65	61
		External facing, elevated temperature	72		70	68	65	61
		Internal facing	72		70	68	65	61
	At central support	External facing	66		64	61	56	51
		External facing, elevated temperature	66		64	61	56	51
		Internal facing	66		64	61	56	51

		PWW-S LITE						
Panel thickness [mm]		100	120	140	150	160	180	200
Apparent core density [kg/m ³]		85 +15/-10%						
Fire reaction class		A2-s1,d0						
Wall fire resistance class	Horizontal layout	EI 90						
	Vertical layout	EI 90						
Water permeability		B						
Air permeability [m ³ /(h·m ²)]		≤1.5						
Water vapour permeability		impermeable						
Acoustic insulation RW (C,Ctr) [dB]		33 (0;-3)	31 (-1;-3)	33 (-1;-3)	31 (-1;-3)			34 (-1;-3)
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.

Chorzów, 01.06.2026

Signed on behalf of the producer:
(full name)

