

# SANDWICH PANEL PWW-S LITE



Panels connection scheme

## APPLICATION

PWW-S LITE wall sandwich panel with a mineral wool core and a visible joint has been designed for the construction of external and internal partition walls, as well as suspended ceilings. It is characterized by a competitive price, good fire resistance, and effective thermal insulation properties.

The panel is installed both vertically and horizontally using steel screws that pass through the panel into the structural elements of the building. It is fully compatible with the PWW-S wall panel and is externally and internally compatible with other Paneltech wall panels, such as PWPIR-S and PWPIR-S LITE.

The insulating core of the panel consists of mineral wool with a density of 85 kg/m<sup>3</sup>. The panel facings are made of profiled, galvanized steel sheets coated with protective paint layers. The edge joints of the core have been designed in such a way that they do not require additional sealing.

## AVAILABLE PROFILATION TYPES

### EXTERNAL PROFILATION

- L** - LINEAR
- MF** - MICROWAVE
- ML** - MICROLINEAR
- G** - SMOOTH

### INTERNAL PROFILATION

- L** - LINEAR
- R** - GROOVE
- G** - SMOOTH

**TABLE OF TECHNICAL PARAMETERS OF THE PWW-S LITE PANELS**

Parameter	Value						
thickness [mm]	100	120	140	150	160	180	200
modular width [mm]	1130, 1000 (optionally 1050) <sup>1)</sup>						
length <sup>2)</sup> [mm]	2000 ÷ 10000						
weight <sup>3)</sup> [kg/m <sup>2</sup> ]	16,6	18,3	20	20,9	21,7	23,4	25,1
heat transfer coefficient U <sub>c</sub> [W/m <sup>2</sup> K]	0,38	0,32	0,27	0,25	0,24	0,21	0,19
acoustic insulation Rw [dB]	33	31					34
reaction to fire	A2-s1,d0						
resistance to external fire <sup>4)</sup>	NRO						
wall fire rating <sup>5)</sup>	EI 90 (o ↔ i) <sup>5)</sup>						
anti-corrosive protection	depending on the coating used <sup>6)</sup>						
organic coatings	SP25, PU, AGRO, FOOD SAFE and other <sup>6)</sup>						
external facing	galvanized steel 0,5 ÷ 0,6 mm <sup>7)</sup>						
internal facing	galvanized steel 0,5 ÷ 0,6 mm <sup>7)</sup>						
available profilation types	external facing L, ML, MF, G <sup>8)</sup> ; internal facing L, R <sup>8)</sup> , G <sup>8)</sup>						
insulating core	rock, inflammable mineral wool with a lamella fiber structure 85 kg/m <sup>3</sup>						
application	non-continuous application on external walls and as wall cladding, on the structural parts of walls and ceilings						
wall application layout	vertical or horizontal						

<sup>1)</sup> In order to verify the feasibility of a given order, please contact our Customer Service Department or Sales Representative.

<sup>2)</sup> length depends on the color of the external facing and the thickness of the panel

<sup>3)</sup> average weight of a sandwich panel with 0.5 mm outer facing, including product tolerance

<sup>4)</sup> fire rating concerning the propagation of fire by the wall when the fire acts towards the outside. This property applies to the Polish territory only and is not CE-marked.

<sup>5)</sup> detailed information (including panel layout and support spans) can be found in the General Terms and Conditions of Sale available at [paneltech.pl](http://paneltech.pl).

<sup>6)</sup> organic coat selected on the basis of durability and application conditions. Coat selection is carried out through environmental assessment and basing on an environmental questionnaire completed by the Client, approved by the steel manufacturer and Paneltech

<sup>7)</sup> other steel types are selected according to application conditions and approved by Paneltech

<sup>8)</sup> facings with the G – smooth or R – groove profiles can include microwaves, which affect the appearance of the product classified as compliant with the requirements of EN 14509, annex D