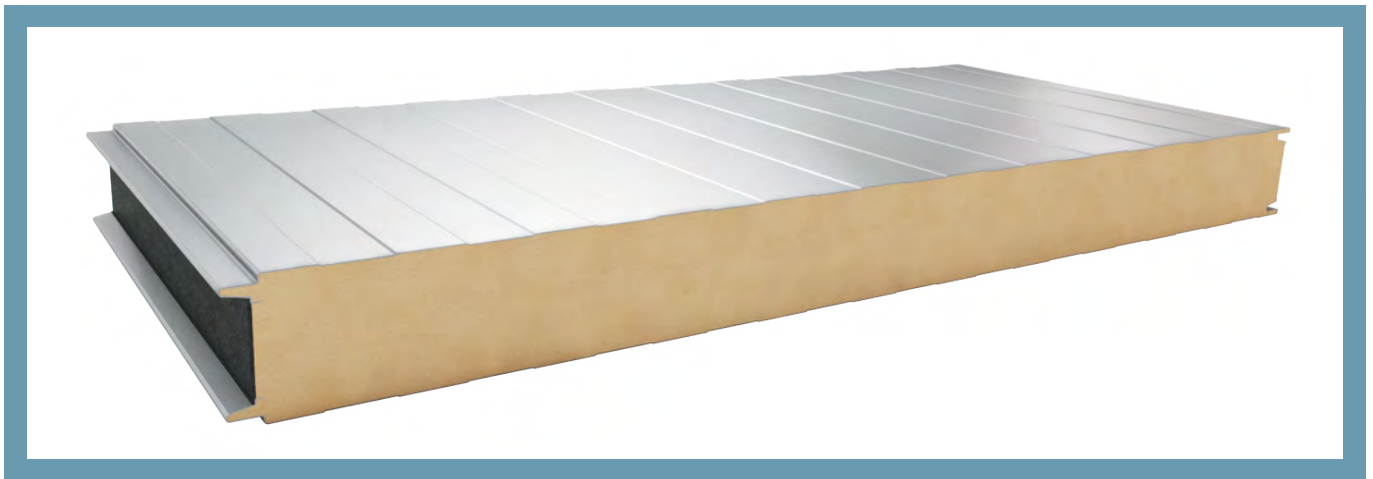


# SANDWICH PANEL PWPIR-S LITE



Panels connection scheme

## APPLICATION

Sandwich wall panel with visible joint PWPIR-S LITE is used to construct external walls and internal partitions in the single-or multiple-span shell structure.

The panels can be installed both vertically and horizontally. Unlike PWPIR-S, its core consists of stiff polyisocyanurate foam (PIR) with a density of about 35 kg/m<sup>3</sup>. Despite a lower density, the panel is characterised by good thermal insulation and strength, however some micro-unevennesses are likely to occur on its surface.

**Therefore it's not recommended to use the panels in facilities where high aesthetics is required.** PWPIR-S LITE panels are compatible with polyisocyanurate core wall panels PWPIR-S, with mineral wool core type PWW-S, PWW-S LITE and with wall panels with expanded polystyrene core type PWS-S.

## AVAILABLE PROFILATION TYPES

### EXTERNAL PROFILATION

**L** - LINEAR

**MF** - MICROWAVE

### INTERNAL PROFILATION

**L** - LINEAR

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

Parameter	Value		
thickness [mm]	80	100	120
modular width [mm]	1130 (optionally 1000) <sup>1)</sup>		
length <sup>2)</sup> [mm]	2000 ÷ 15800		
weight <sup>3)</sup> [kg/m <sup>2</sup> ]	11,3	12,1	12,9
heat transfer coefficient U <sub>c</sub> [W/m <sup>2</sup> K]	0,28	0,22	0,19
acoustic insulation Rw [dB]	NPD		
reaction to fire	B-s1,d0		
resistance to external fire <sup>4)</sup>	NRO		
wall fire rating <sup>5)</sup>	NPD	EI 15 (o ↔ i) <sup>5)</sup>	
anti-corrosive protection	depending on the coating used <sup>6)</sup>		
organic coatings	SP25		
external facing	galvanized steel 0,5 mm <sup>7)</sup>		
internal facing	galvanized steel 0,4 ÷ 0,5 mm <sup>7)</sup>		
available profilation types	external facing L, MF; internal facing L		
insulating core	rigid foam of 35 kg/m <sup>3</sup> in total density and with enclosed PIR (polyisocyanurate) cells		
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> Minimum Production Quantity (MPQ) is 1000 m<sup>2</sup> and depends on thickness of the panel. In order to verify production possibilities of specific order please contact our Customer Service 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