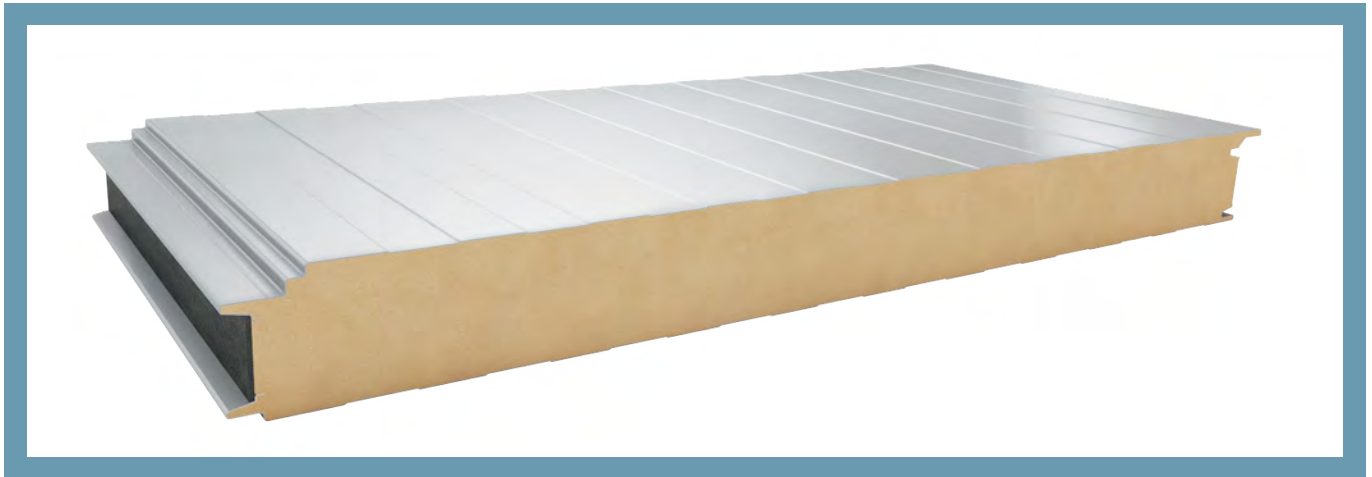


# SANDWICH PANEL PWPIR-SU



Panels connection scheme

## APPLICATION

Wall sandwich panel with visible joint PWPIR-SU is used to construct external walls and internal partitions in the single- or multiple-span shell structure.

The link is hidden in a suitably profiled longitudinal edge of the panel, forming a locking mechanism characteristic for this system, creating an aesthetic appearance of the facade. The panels can be installed both vertically and horizontally, however, in the horizontal layout, the system requires additional panel jointing treatment.

## AVAILABLE PROFILATION TYPES

### EXTERNAL PROFILATION

- L** - LINEAR
- MF** - MICROWAVE
- ML** - MICROLINEAR
- G** - SMOOTH
- MR** - MICROGROOVE
- C** - CARBON

### INTERNAL PROFILATION

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

**TABLE OF TECHNICAL PARAMETERS OF THE PWPIR-SU PANELS**

Parameter	Value			
thickness [mm]	60	80	100	120
modular width [mm]	1050 (optionally 1000) <sup>1)</sup>			
length <sup>2)</sup> [mm]	2000 ÷ 15800			
weight <sup>3)</sup> [kg/m <sup>2</sup> ]	11,10	11,80	12,60	13,40
heat transfer coefficient U <sub>c</sub> [W/m <sup>2</sup> K]	0,42	0,29	0,23	0,19
acoustic insulation Rw [dB]	26			
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, 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 0,4 ÷ 0,6 mm <sup>7)</sup>			
available profilation types	external facing L, ML, MF, MR <sup>8)</sup> , G <sup>9)</sup> , C; internal facing L, R <sup>9)</sup> , G <sup>9)</sup>			
insulating core	rigid foam of 40 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 for a modular width of 1000 mm depending on panel thickness is 1000 m<sup>2</sup>.

<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.

<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> detailed information on the MR – microgroove profilation will be provided at individual request

<sup>9)</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