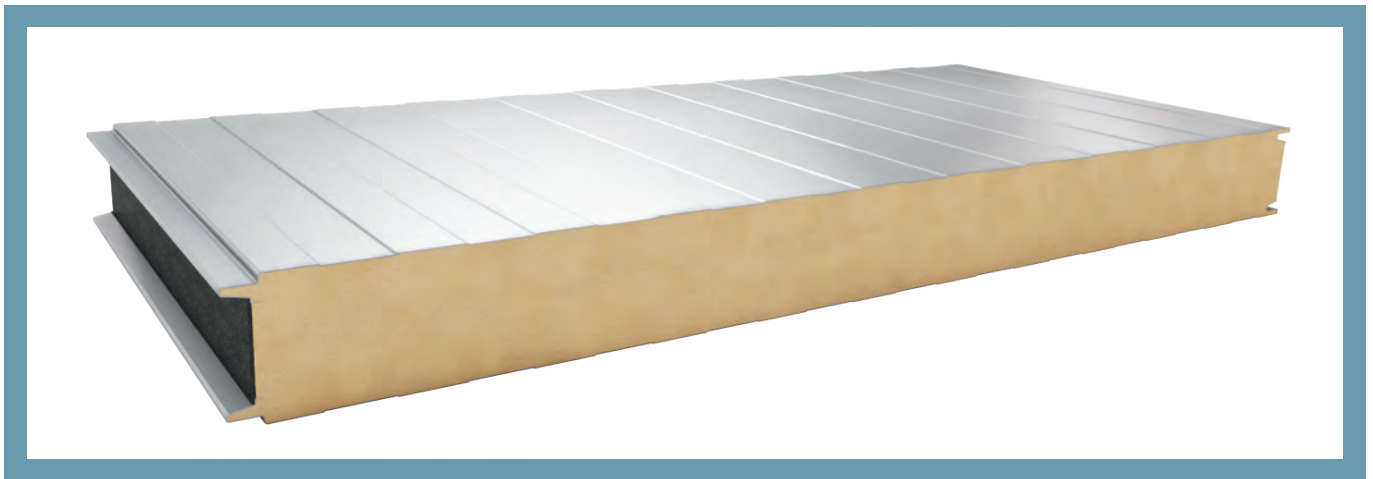


SANDWICH PANEL PWPIR-S LITE



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/m³. 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]	60	80	100	120
modular width [mm]	1130			
length ¹⁾ [mm]	2000 ÷ 15800			
weight ²⁾ [kg/m ²]	10,5	11,3	12,1	12,9
heat transfer coefficient U _c [W/m ² K]	0,38	0,28	0,22	0,19
acoustic insulation Rw [dB]	NPD			
reaction to fire	B-s1,d0			
resistance to external fire ³⁾	NRO			
wall fire rating	NPD		EI 15 (o ↔ i) ⁴⁾	
anti-corrosive protection	external C1, C2, C3 ⁵⁾ , internal A1 ⁵⁾			
organic coatings	SP 25			
external facing	galvanized steel 0,5mm ⁶⁾			
internal facing	galvanized steel 0,4 ÷ 0,5 mm ⁶⁾			
available profilation types	external facing L, MF; internal facing L			
available colors	RAL 9010, RAL 9002			
insulating core	rigid foam of 35 kg/m ³ 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			

¹⁾ length depends on the color of the external facing and the thickness of the panel

²⁾ average weight of a sandwich panel with 0.5 mm outer facing, including product tolerance

³⁾ 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

⁴⁾ applies to horizontal layout

⁵⁾ 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

⁶⁾ other steel types are selected according to application conditions and approved by Paneltech