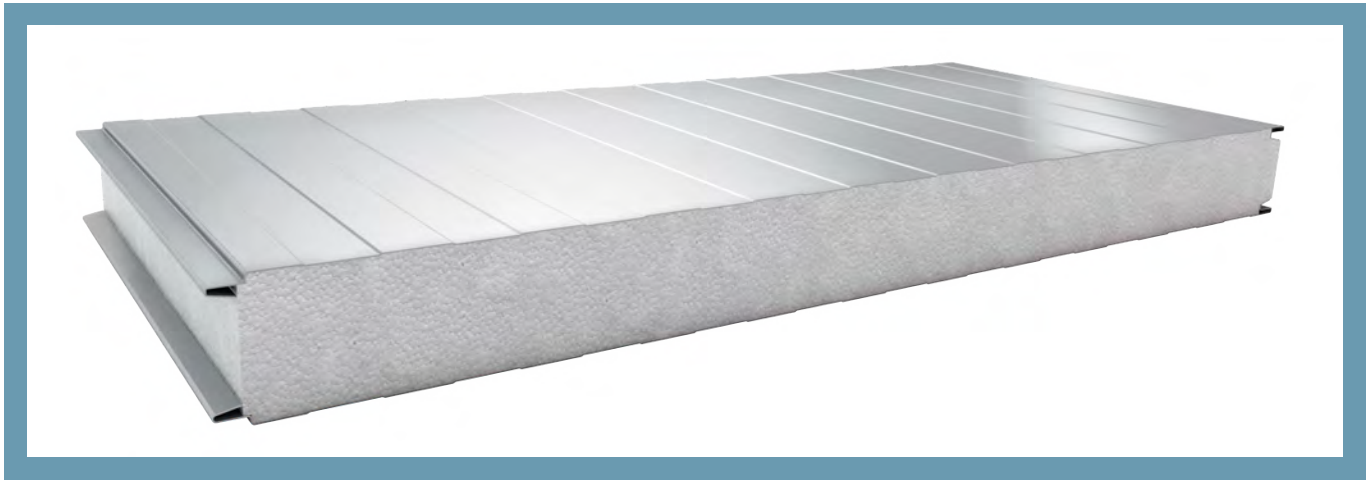


SANDWICH PANEL PWS-S



Panels connection scheme

APPLICATION

PWS-S wall sandwich panel with a polystyrene core and a visible joint is designed for the construction of external walls, internal partition walls, and suspended ceilings. This panel is characterized by its lightweight construction, good thermal insulation properties, and attractive price.

The panel can be installed both vertically and horizontally using steel screws, which are fixed through the panel to the building's structure. The PWS-S panel is fully compatible with the PWW-S and PWW-S LITE panels and is externally and internally compatible with other Paneltech wall panels, such as PWPIR-S and PWPIR-S LITE

The thermal insulation core of the panel consists of in-house produced polystyrene with a density of 12.5 kg/m³. The panel facings are made of profiled, galvanized steel sheets coated with protective paint layers, ensuring durability and an aesthetically pleasing façade. The edge joints of the core have been designed in such a way that they do not require the use of additional sealing materials.

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 PWS-S PANELS

Parameter	Value					
thickness [mm]	50	80	100	120	150	200
modular width [mm]	1130 (optionally 1000) ¹⁾					
length ²⁾ [mm]	2000 ÷ 10000					
weight ³⁾ [kg/m ²]	8,8	9,1	9,4	9,6	10,0	10,6
heat transfer coefficient U _c [W/m ² K]	0,77	0,48	0,39	0,32	0,26	0,20
resistance to external fire ⁴⁾	NRO					
anti-corrosive protection	depending on the coating used ⁵⁾					
organic coatings	SP25, PU, AGRO, FOOD SAFE and other ⁵⁾					
external facing	galvanized steel 0,5 ÷ 0,6 mm ⁶⁾					
internal facing	galvanized steel 0,4 ÷ 0,5 mm ⁶⁾					
available profilation types	external facing L, ML, MF, G ⁷⁾ ; internal facing L, R ⁷⁾ , G ⁷⁾					
insulating core	expanded polystyrene EPS of 12,5 kg/m ³					
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⁾ In order to verify the feasibility of a given order, please contact our Customer Service Department or Sales Representative.

²⁾ length depends on the color of the external facing and the thickness of the panel

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

⁴⁾ 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.

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

⁷⁾ 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