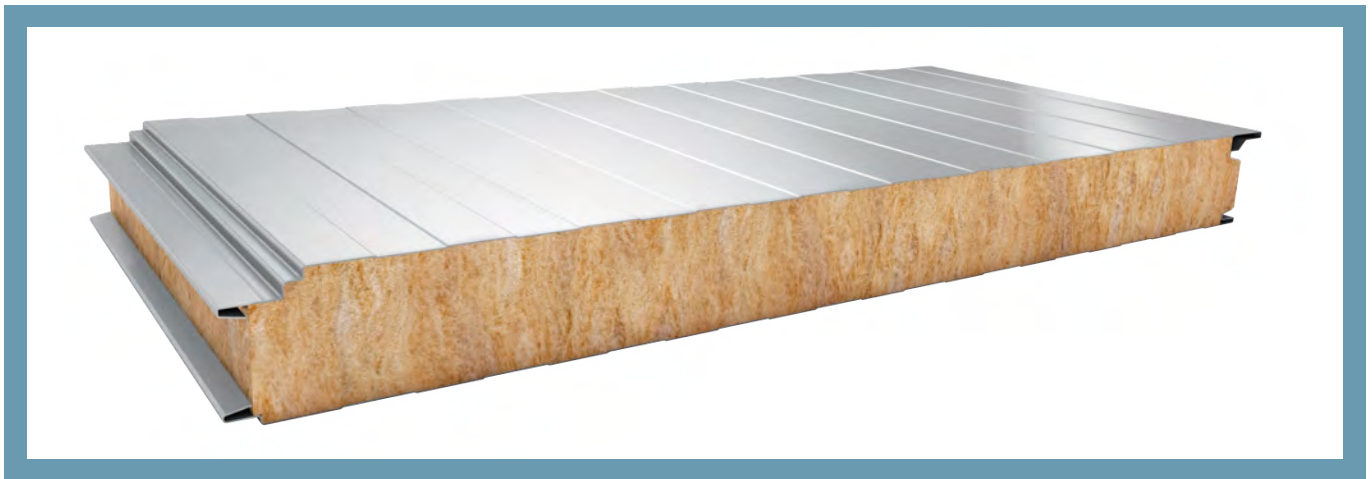


SANDWICH PANEL PWW-SU¹⁾



Panels connection scheme

APPLICATION

PWW-SU wall sandwich panel with a hidden joint is used for the construction of external walls (façades), internal partition walls, and suspended ceilings on single- or multi-span skeletal structures.

The joint is hidden within a specially profiled longitudinal edge, forming a lock characteristic of this system, which ensures a clean and aesthetic façade appearance. The installation of the panels can be carried out both vertically and horizontally; however, in the horizontal arrangement, this system requires additional finishing at the panel joints. The panel's core is made of mineral wool with a density of 100 kg/m³. Due to its properties, especially its high fire resistance parameters, this panel can be used in the construction of buildings requiring enhanced fire protection. The PWW-SU panel is externally compatible with the PWPIR-SU wall panel, which has a polyisocyanurate (PIR) core.

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-SU PANELS

| Parameter | Value | | | | | | |
|--|---|--------------------------------|-----------------------------|------|------|------|------|
| | 80 | 100 | 120 | 150 | 160 | 180 | 200 |
| thickness [mm] | 80 | 100 | 120 | 150 | 160 | 180 | 200 |
| modular width [mm] | 1050 (optionally 1000) ¹⁾ | | | | | | |
| length ²⁾ [mm] | 2000 ÷ 10000 | | | | | | |
| weight ³⁾ for PWW-SU [kg/m ²] | 16,4 | 18,4 | 20,4 | 23,4 | 24,4 | 26,4 | 28,4 |
| heat transfer coefficient U _c for PWW-SU [W/m ² K] | 0,51 | 0,41 | 0,34 | 0,27 | 0,25 | 0,23 | 0,20 |
| acoustic insulation R _w [dB] | 31 | | | | | | |
| reaction to fire | A2-s1,d0 | | | | | | |
| resistance to external fire ⁴⁾ | NRO | | | | | | |
| PWW-SU wall fire rating ⁵⁾ | NPD | EI 30 (o ↔ i) ⁵⁾ | EI 60 (o ↔ i) ⁵⁾ | | | | |
| anti-corrosive protection | depending on the coating used ⁶⁾ | | | | | | |
| organic coatings | SP25, PU, AGRO, FOOD SAFE and other ⁶⁾ | | | | | | |
| external facing | galvanized steel 0,5 ÷ 0,6 mm ⁷⁾ | | | | | | |
| internal facing | galvanized steel 0,5 ÷ 0,6 mm ⁷⁾ | | | | | | |
| available profilation types | external facing L, ML, MF, G ⁸⁾ ; internal facing L, R ⁸⁾ , G ⁸⁾ | | | | | | |
| insulating core | rock, inflammable mineral wool with a lamella fiber structure (100 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⁾ Minimum Production Quantity (MPQ) is 1000 m²

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⁾ detailed information (including panel layout and support spans) can be found in the General Terms and Conditions of Sale available at paneltech.pl.

⁶⁾ 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

⁷⁾ other steel types are selected according to application conditions and approved by Paneltech

⁸⁾ 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