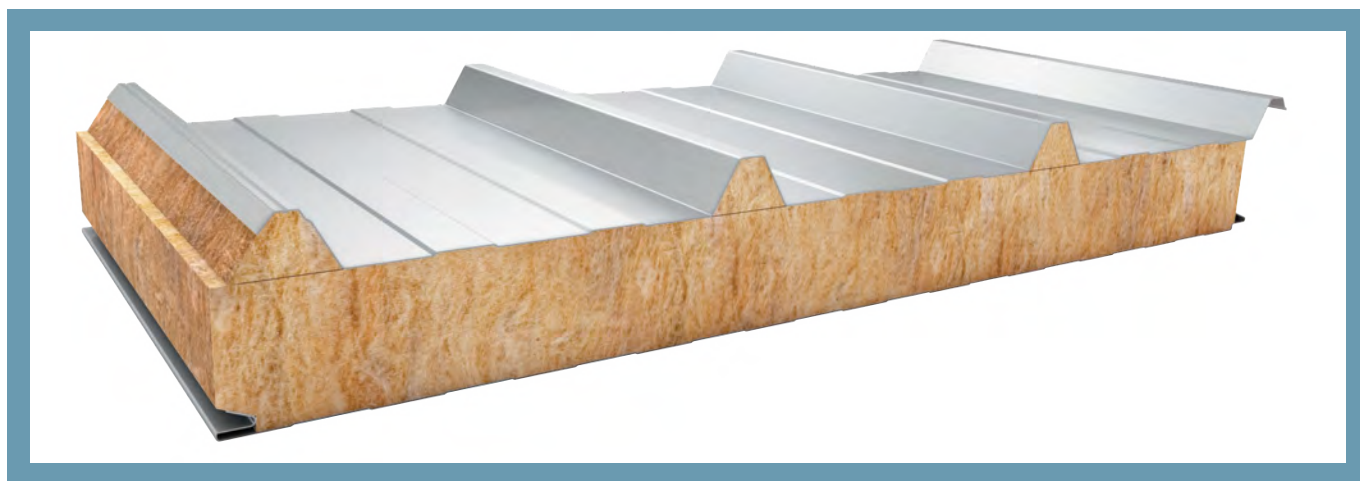


SANDWICH PANEL PWW-D¹⁾



Panels connection scheme

APPLICATION

PWW-D roof sandwich panel with a mineral wool core is designed for roofing and roof coverings in buildings requiring high fire resistance and acoustic insulation. It stands out due to its excellent fire protection properties and good thermal insulation performance.

The panel allows for roof coverings with a minimum slope of 2.86° (5%) when installed as a single element from the eaves to the ridge, and 5.14° (9%) if panels are joined along their length (when the roof length exceeds the recommended production length of the panel). Installation is carried out using steel screws, which are fixed through the panel to the building's structure. The PWW-D panel is fully compatible with PWS-D roofing panels and is externally compatible with Paneltech roofing panels PWPUR-D / PWPIR-D and PWPIR-D LITE.

The insulating core of the panel is made of mineral wool with a density of 100 kg/m^3 . The panel facings consist of profiled, galvanized steel sheets coated with protective paint layers. The edge joints of the core are designed in such a way that they do not require the use of additional sealing materials.

AVAILABLE PROFILATION TYPES

EXTERNAL PROFILATION

T - TRAPEZOIDAL

INTERNAL PROFILATION

L - LINEAR

R - GROOVE

G - SMOOTH

TABLE OF TECHNICAL PARAMETERS OF THE PWW-D PANELS

Parameter	Value						
thickness [mm]	80	100	120	150	160	180	200
modular width [mm]	1050						
length ²⁾ [mm]	2000 ÷ 10000						
weight ³⁾ [kg/m ²]	16,8	18,8	20,8	23,8	24,8	26,8	28,8
heat transfer coefficient U_c [W/m ² K]	0,46	0,38	0,32	0,26	0,24	0,22	0,20
acoustic insulation R_w [dB]	31						
reaction to fire	A2-s1,d0						
resistance to external fire	B_{roof} ; $B_{roof}(t_1)$ and $B_{roof}(t_2)$ and $B_{roof}(t_3)$						
roof fire rating ⁴⁾	NPD	REI 120 ⁴⁾					
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 0,5 ÷ 0,6 mm ⁶⁾						
available profilation types	external facing T; internal facing L, R ⁷⁾ , G ⁷⁾						
insulating core	rock, inflammable mineral wool with a lamella fiber structure 100 kg/m ³						
application	non-continuous application on roofs and roof covers						

¹⁾ Minimum Production Quantity (MPQ) is from 300m² up to 500m² and depends on thickness of the panel. In order to verify production possibilities of specific order please contact our Customer Service 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⁾ detailed information can be found in the General Terms and Conditions of Sale available at paneltech.pl.

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