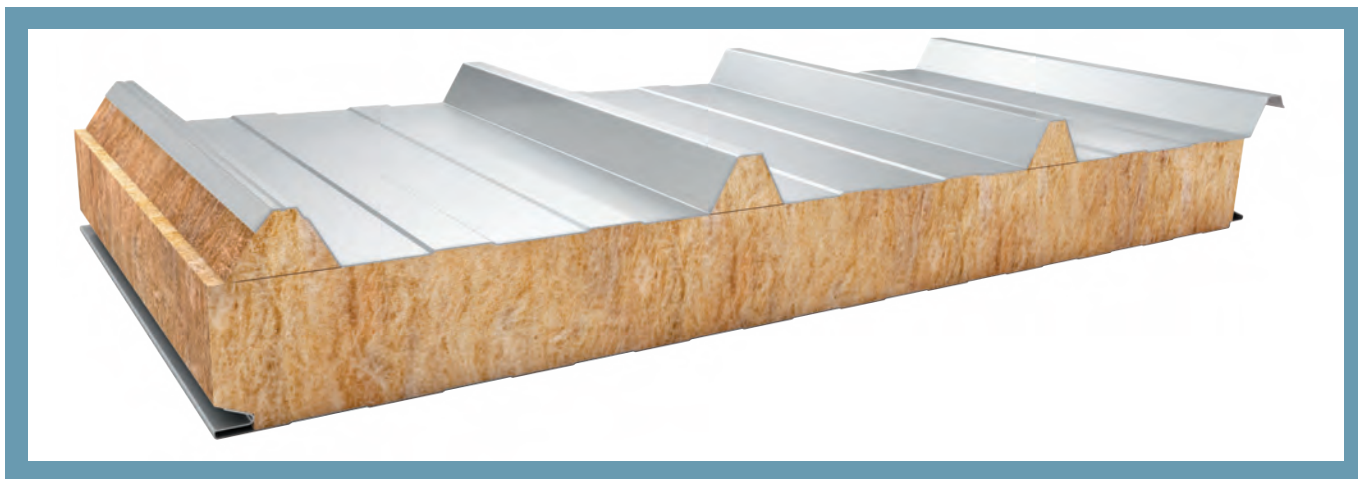


# SANDWICH PANEL PWW-D<sup>1)</sup>



Panels connection scheme

## APPLICATION

Roof sandwich panel PWW-D is applied as roofs and roof covers. The core of the panel comprises mineral wool of 100 kg/m<sup>3</sup>. Thanks to their properties, i.e. high fire-resistance parameters, the panels can be used to construct buildings with high fire ratings.

## 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 <sup>2)</sup> [mm]	2000 ÷ 10000						
weight <sup>3)</sup> [kg/m <sup>2</sup> ]	16,8	18,8	20,8	23,8	24,8	26,8	28,8
heat transfer coefficient $U_c$ [W/m <sup>2</sup> 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 <sup>4)</sup>	NPD	REI 120 <sup>4)</sup>					
anti-corrosive protection	external C1, C2, C3 (C4 ÷ C5) <sup>5)</sup> , internal A1 (A2 ÷ A5) <sup>5)</sup>						
organic coatings	SP 25, PU, AGRO, FOOD SAFE and other <sup>5)</sup>						
external facing	galvanized steel 0,5 ÷ 0,6 mm <sup>6)</sup>						
internal facing	galvanized steel 0,5 ÷ 0,6 mm <sup>6)</sup>						
available profilation types	external facing T; internal facing L, R <sup>7)</sup> , G <sup>7)</sup>						
insulating core	rock, inflammable mineral wool with a lamella fiber structure 100 kg/m <sup>3</sup>						
application	non-continuous application on roofs and roof covers						

<sup>1)</sup> Minimum Production Quantity (MPQ) is from 300m<sup>2</sup> up to 500m<sup>2</sup> and depends on thickness of the panel. In order to verify production possibilities of specific order please contact our Customer Service or Sales Representative.

<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> for more details on the General Sales Conditions, go to [www.paneltech.pl](http://www.paneltech.pl)

<sup>5)</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>6)</sup> other steel types are selected according to application conditions and approved by Paneltech

<sup>7)</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