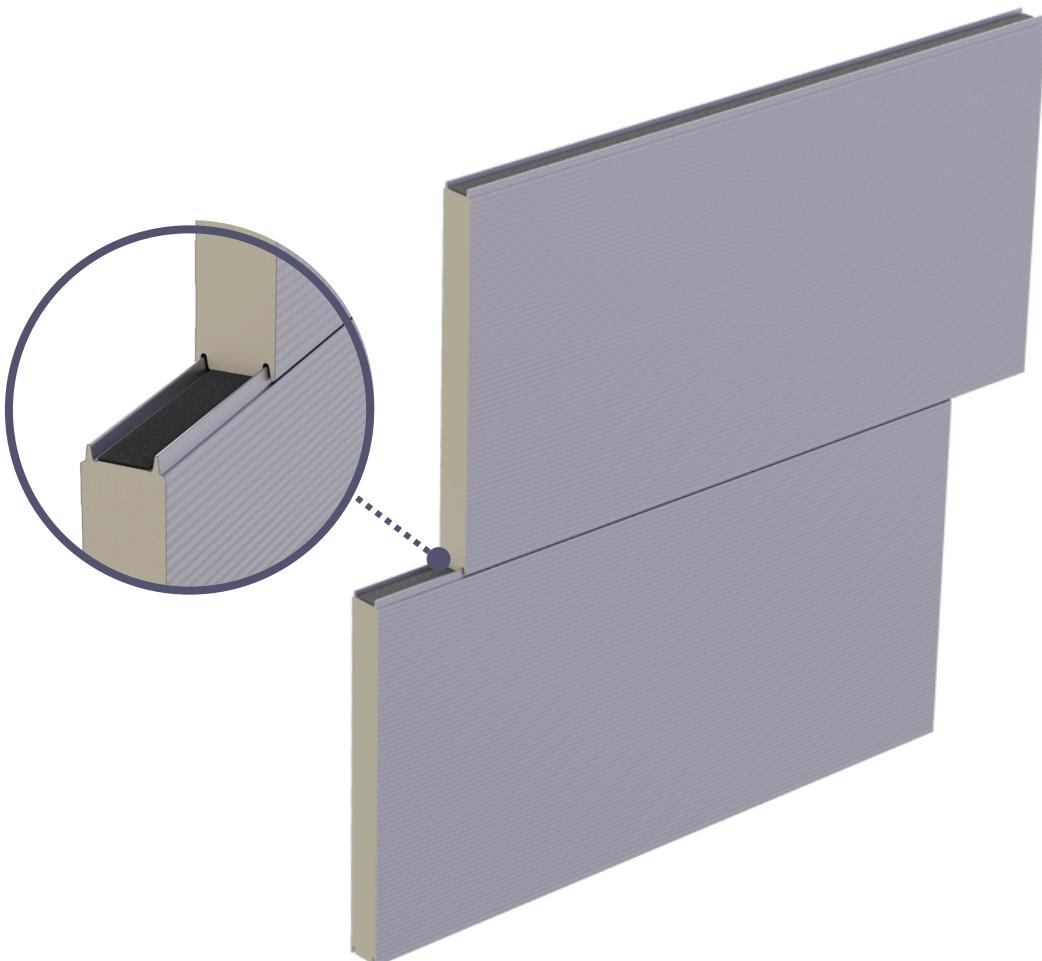


# PRODUCT DATA SHEET

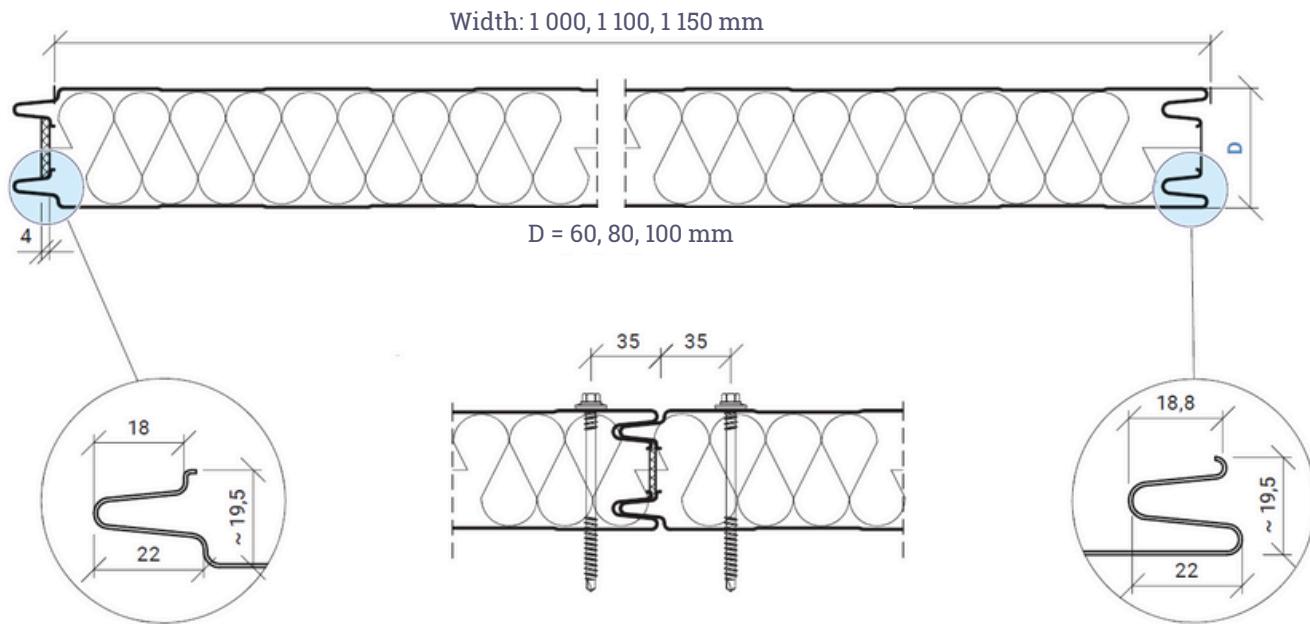
Wall sandwich panel

**ARPANEL S PIR**

- standard fastening system



## CROSS SECTION





## PARAMETERS

Core thickness	60	80	100
External facing thickness [mm]		0,5 – 0,7	
Internal facing thickness [mm]		0,4 – 0,7	
Core density		40 ± 3 kg/m <sup>3</sup>	
Weight [kg/ m <sup>2</sup> ]	10,4	11,2	11,9
Proper acoustic insulation [Rw(C,Ctr) dB]		25 (-2;-4)	
Sound absorption [aw]		0,15	
Heat transfer coefficient Ud,S = W/(m <sup>2</sup> x K)	0,37	0,27	0,22
Reaction to fire		B-s1,d0	
Fire spread according to PN-B-02867		non-fire spreading	

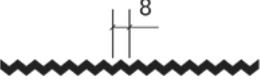
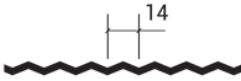
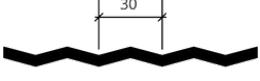
Installation details are available in the fire classifications of ARPANEL sandwich panels.



## PARAMETERS

Core thickness	60	80	100
<b>INTERNAL WALL</b>			
Fire resistance according to EN 13501- 2 vertical	<b>E 15/ EI 15/ EW 15 ≤ 4 m</b>	<b>E 30/ EI 30/ EW 30 ≤ 3 m</b> <b>E 20/ EI 20/ EW 20</b> <b>≤ 7,5 m</b>	
Fire resistance according to EN 13501- 2 horizontal	<b>not classified</b>	<b>E 20/ EI 20/ EW 20 ≤ 4 m</b>	<b>E 30/ EI 30/ EW 30 ≤ 4 m</b> <b>E 20/ EI 20/ EW 20</b> <b>≤ 7,5 m</b>
<b>EXTERNAL WALL</b>			
Fire resistance according to EN 13501- 2 vertical	<b>E 15 (i↔o)/ EI 15 (i↔o)/ EW 15 (o↔i) ≤ 4 m</b>	<b>E 30 (i→o)/ EI 30 (i→o)/</b> <b>EW 30 (i→o) ≤ 3 m</b> <b>E 20 (o↔i)/ EI 20 (o↔i)/</b> <b>EW 20 (i→o) ≤ 7,5 m</b>	
Fire resistance according to EN 13501- 2 horizontal	<b>not classified</b>	<b>E 20 (o↔i)/ EI 20 (o↔i)/</b> <b>EW 20 (o↔i) ≤ 4 m</b>	<b>E 30 (o↔i)/ EI 30 (o↔i)/</b> <b>EW 30 (o↔i) ≤ 4 m</b> <b>E 20 (o↔i)/ EI 20 (o↔i)/</b> <b>EW 20 (o↔i) ≤ 7,5 m</b>
<b>CEILING</b>			
Fire resistance according to PN-EN 13501-2:2016 ceiling	<b>EI 15 (a←b) ≤ 1,7 m</b>	<b>EI 30 (a←b) ≤ 2 m</b> <b>EI 15 (a←b) ≤ 5,85 m</b>	

## PROFILES

Name	external	internal	cross-section
Micro 8	✓	✗	
Micro 14	✓	✗	
Linear	✓	✓	
Smooth	✓	✓	
Micro 20	✗	✓	
Micro 30	✓	✗	

## TYPES OF STANDARD COATINGS

Polyester – PE

\*Other types of coatings, e.g. PVDF, PUR PA, HDX, PRISMA, FOODSAFE, HPS, INOX, SDP, are available upon request.

## ENVIRONMENT IN CASE OF A STANDARD COATING, POLYESTER – PE

A possibility to apply inside, in environments A1, A2, A3 and outside buildings C1, C2, C3.

\*For environments characterized by higher aggressiveness, a coating that meets the requirements of a given corrosivity category should be selected.

## STANDARD COLORS



Ask our representative about the availability of other standard colors of ARPANEL sandwich panels.

## AVAILABLE LENGTHS OF PANELS

Standard lengths of panels are from 2,0 m to 18,5 m.

## PERMISSIBLE DEVIATIONS FROM DIMENSIONS

According to EN 14509:

Panels with length of  $\leq 3$  m  $\pm 5$  mm

Panels with length of  $> 3$  m  $\pm 10$  mm

For the covering width of the sandwich panel,  $\pm 2$  mm

At the panel thickness:

For  $D \leq 100$  mm  $\pm 2$  mm

For  $D > 100$  mm  $\pm 2$  %

Rectangularity of cut at the length  $\leq 0,6$  % of the panel width

Panel:

2 mm per each meter of length, but not more than 20 mm

8,5 mm per each meter of width, but not more than 10 mm

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