



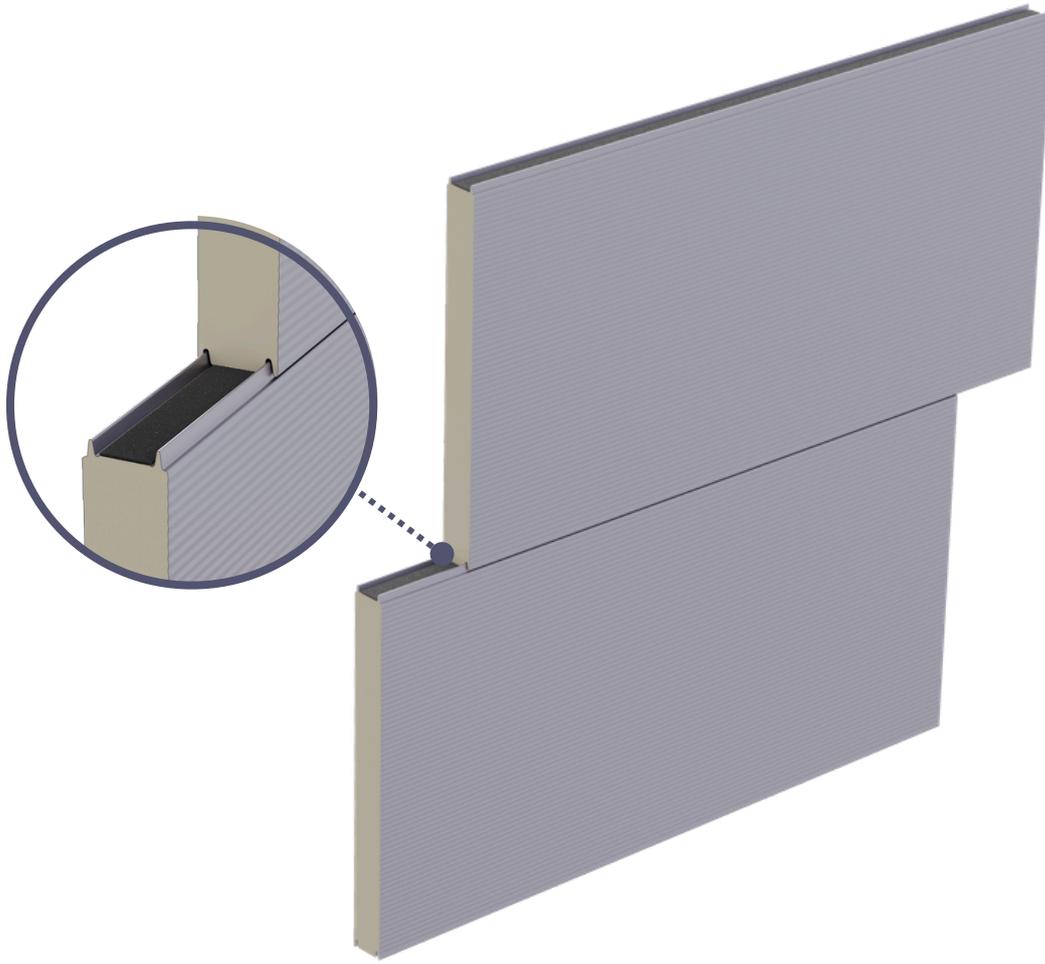
**ARPANEL**

# PRODUCT DATA SHEET ARPANEL DUAL SKIN

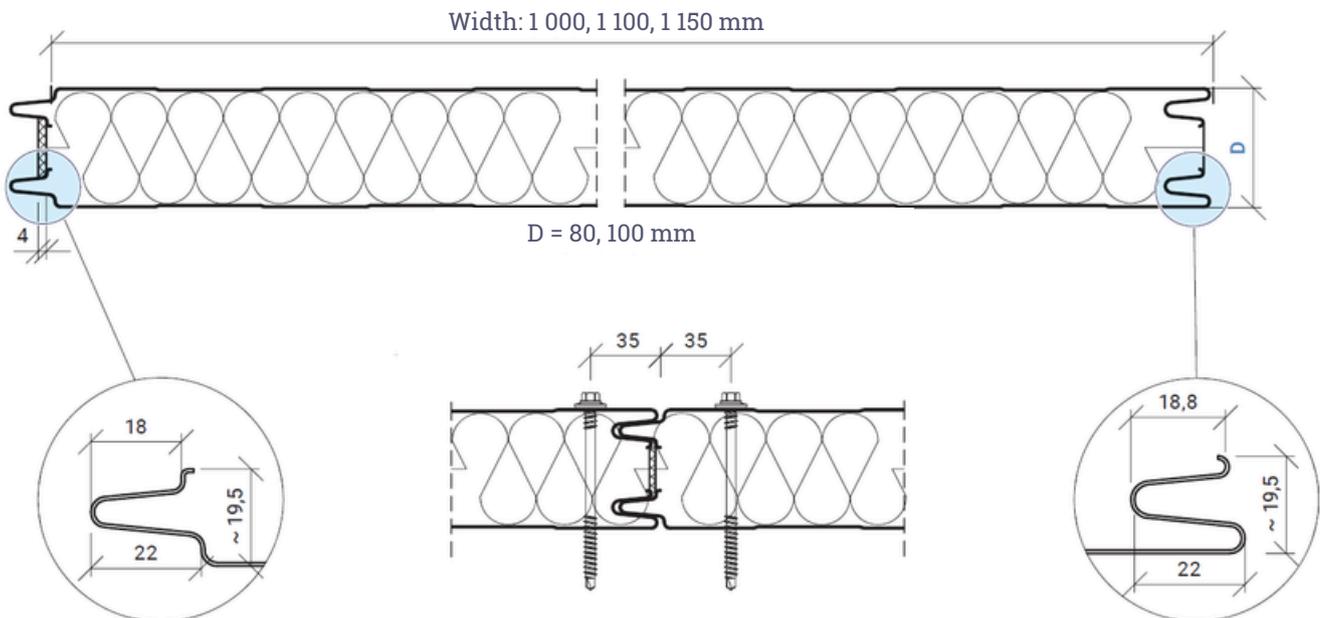
Wall sandwich panel

**ARPANEL XS PIR**

- standard fastening system



**CROSS SECTION**

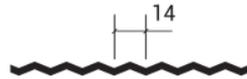
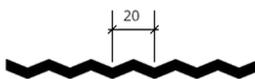


## PARAMETERS

Core thickness	80	100
External facing thickness [mm]	0,6 – 0,7	
Internal facing thickness [mm]	0,4 – 0,7	
Core density	42 ± 2 kg/m <sup>3</sup>	
Weight [kg/ m <sup>2</sup> ]	12,5	13,4
Proper acoustic insulation [Rw(C,Ctr) dB]	25 (-2;-4)	
Sound absorption [αw]	0,15	
Heat transfer coefficient Ud,S = W/(m <sup>2</sup> x K)	0,27	0,22
Reaction to fire	B-s2,d0	
Fire spread according to PN-B-02867	non-fire spreading	
Fire resistance according to EN 13501-2 vertical	E 15 (i↔o)/ EI 15 (i↔o) ≤ 4 m	E 30 (i→o)/ EI 30 (i→o)/ EW 30 (i→o) ≤ 3 m E 15 (i→o)/ EI 15 (i→o)/ EW 20 (i→o) ≤ 7,5 m
Fire resistance according to EN 13501-2 horizontal	E 15(o↔i)/ EI 15 (o↔i)/ EW 20 (o↔i) ≤ 4 m	E 30 (o↔i)/ EI 30 (o↔i)/ EW 30 (o↔i) ≤ 4 m E 15 (o↔i)/ EI 15 (o↔i)/ EW 20 (o↔i) ≤ 7,5 m

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

PROFILES

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

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



RAL 9006

RAL 9002

RAL 9010

RAL 5010

RAL 7016

RAL 7035

RAL 9007

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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