ARPANEL

PRODUCT DATA SHEET

Roof sandwich panel

ARPANEL D PIR

EDITION 4/2026
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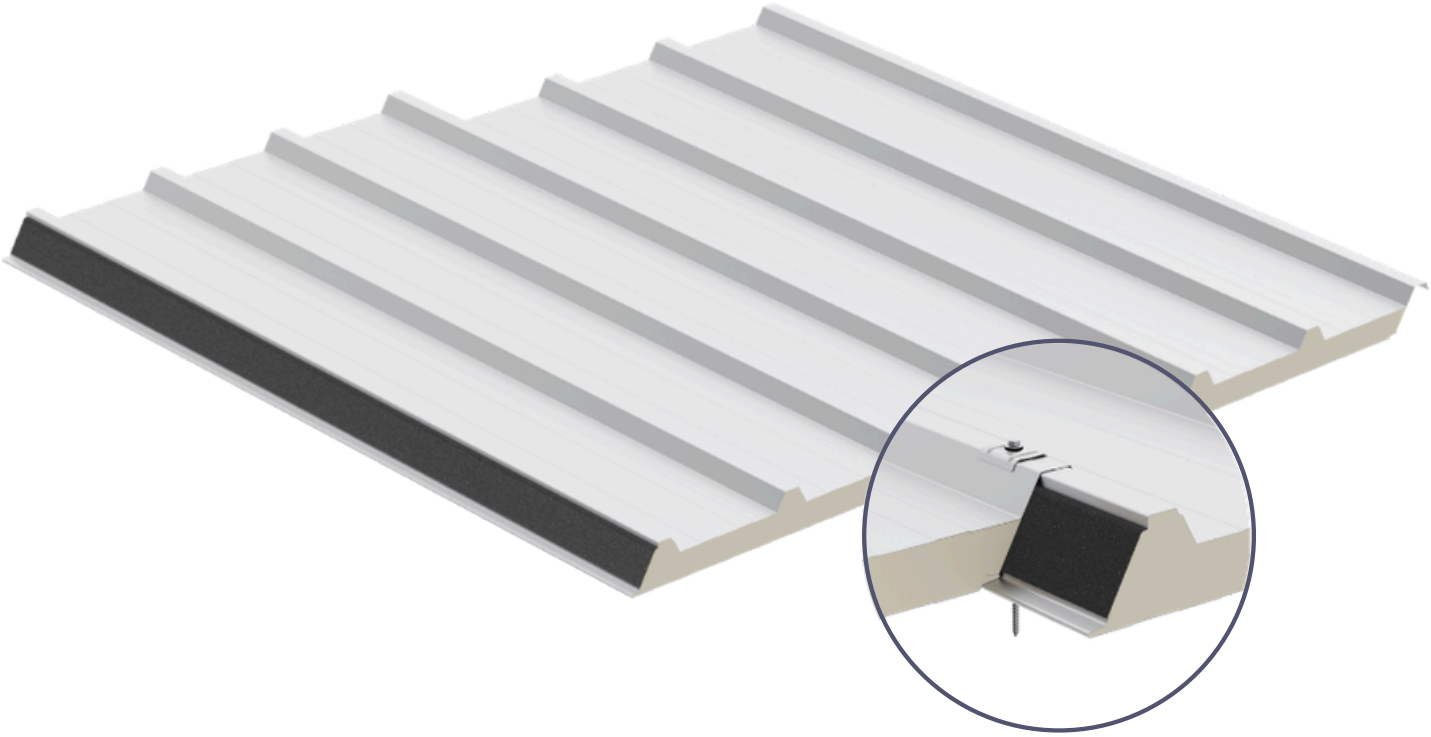
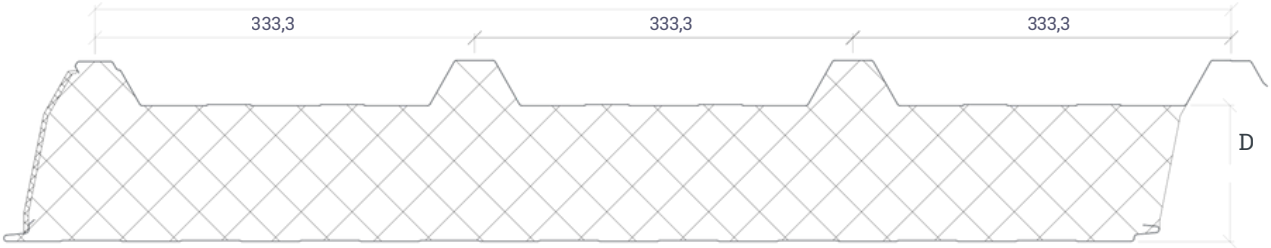
PRODUCT DATA SHEET

ARPANEL D PIR

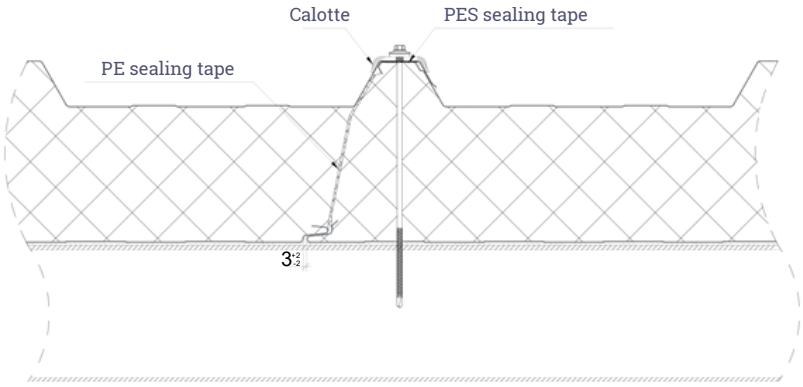


CROSS SECTION

Width: 1 000 mm



D = 60/100, 80/120, 100/140, 120/160, 160/200 mm



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PARAMETERS

Core thickness [mm]	60/100	80/120	100/140	120/160	160/200
External facing thickness [mm]	0,5 -0,7				
Internal facing thickness [mm]	0,4 -0,7				
Core density	40 ± 3% kg/m³				
Weight [kg/ m²]	10,6	11,3	12,1	12,9	14,4
Proper acoustic insulation [Rw(C,Ctr) dB]	25 (-1,-4)				26 (-2,-4)
Sound absorption [αw]	0,15				
Heat transfer coefficient Ud,S = W/(m2 x K)	0,33	0,26	0,21	0,18	0,13
Reaction to fire	B-s2,d0				
Fire spread through roofs according to EN 13501-5	Broof (t1)		Broof (t1), (t3)		Broof (t1)
Fire resistance according to EN 13501-2	REI 15/ RE 20		REI 30/ RE 60		

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

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PROFILES

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

TYPES OF STANDARD COATINGS

Polyester – PE
*Other types of coatings, e.g. PVDF, PUR PA, HDX, PRISMA, FOODSAFE, HPS, 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.

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STANDARD COLORS

RAL 9006	RAL 9002	RAL 9010	RAL 5010	RAL 7016	RAL 7035	RAL 9007

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 ≤ 3 m ±5 mm
Panels with length of > 3 m ±10 mm
For the covering width of the sandwich panel, ±2 mm
At the panel thickness:
For D ≤ 100 mm ±2 mm
For D > 100 mm ±2 %
Rectangularity of cut at the length ≤ 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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