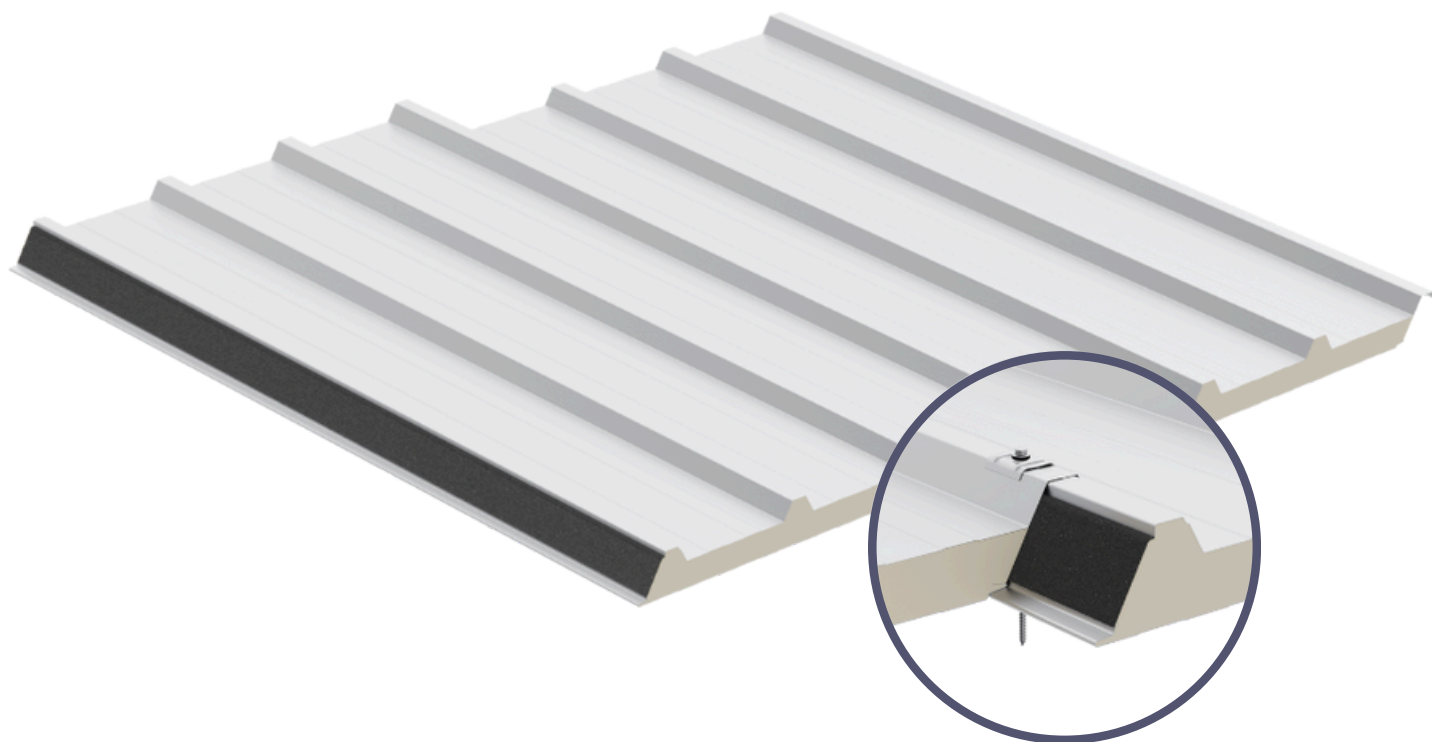


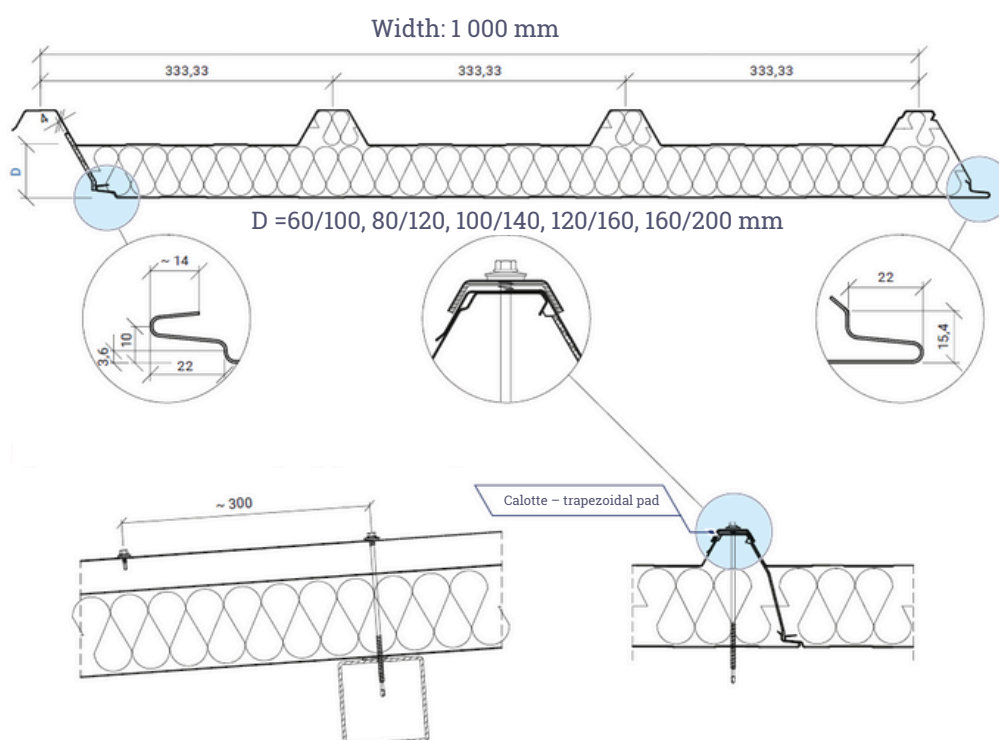
The background of the entire page is a detailed, grayscale technical illustration of a roof sandwich panel. It shows a cross-section of the panel, highlighting the top metal flange, the dark, textured PIR insulation core, and the bottom metal flange. A screw is shown passing through the panel, and another screw head is visible on the top surface. The overall aesthetic is clean and industrial.

PRODUCT DATA SHEET

Roof sandwich panel
AR PANEL D PIR



CROSS SECTION






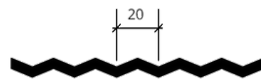


PARAMETERS

Core thickness	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/m ³				
Weight [kg/ m ²]	10,6	11,3	12,1	12,9	14,4
Proper acoustic insulation [Rw(C,Ctr) dB]	25 (-1;-4)				NPD
Sound absorption [αw]	0,15				NPD
Heat transfer coefficient Ud,S = W/(m ² 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.

PROFILES

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

TYPES OF STANDARD COATINGS

Polyester – PE

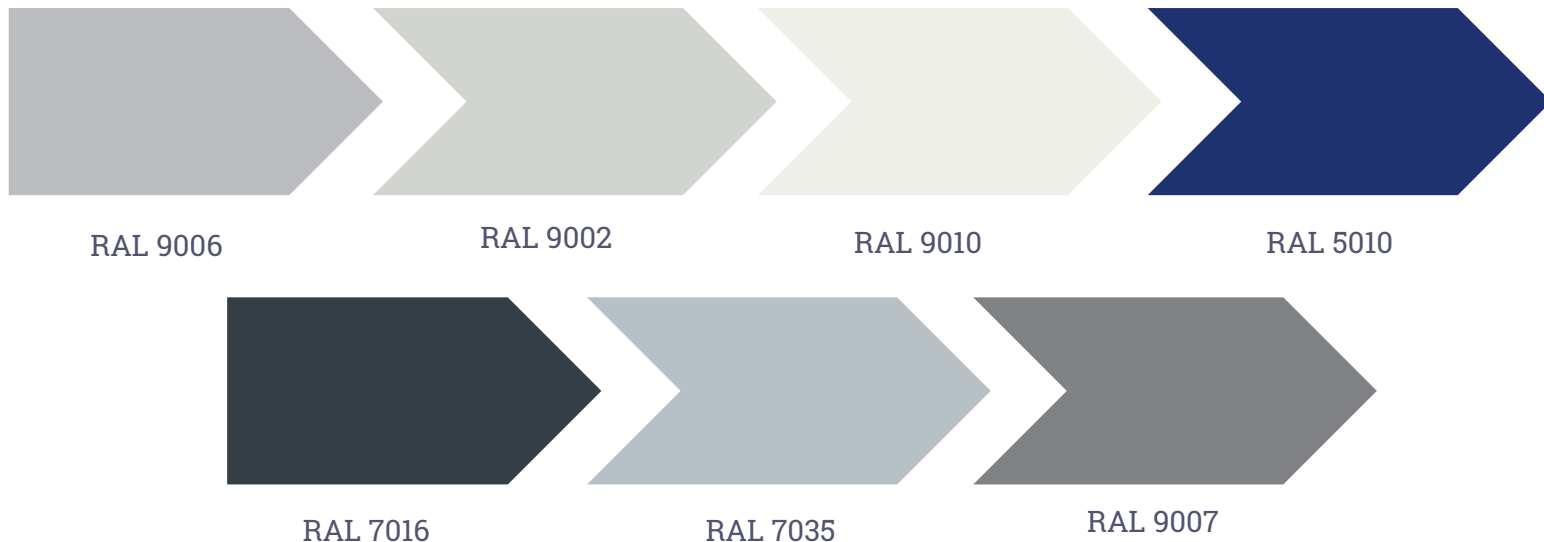
*Other types of coatings, e.g. PVDF, PUR PA, HDX, PRISMA, FOODSAFE, HPS, INOX, SDP, are available upon request.

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 ≤ 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 $D \leq 100$ mm ± 2 mm

For $D > 100$ mm ± 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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