ARPANEL

PRODUCT DATA SHEET

Roof sandwich panel

ARPANEL D MiWo



EDITION 5/2026
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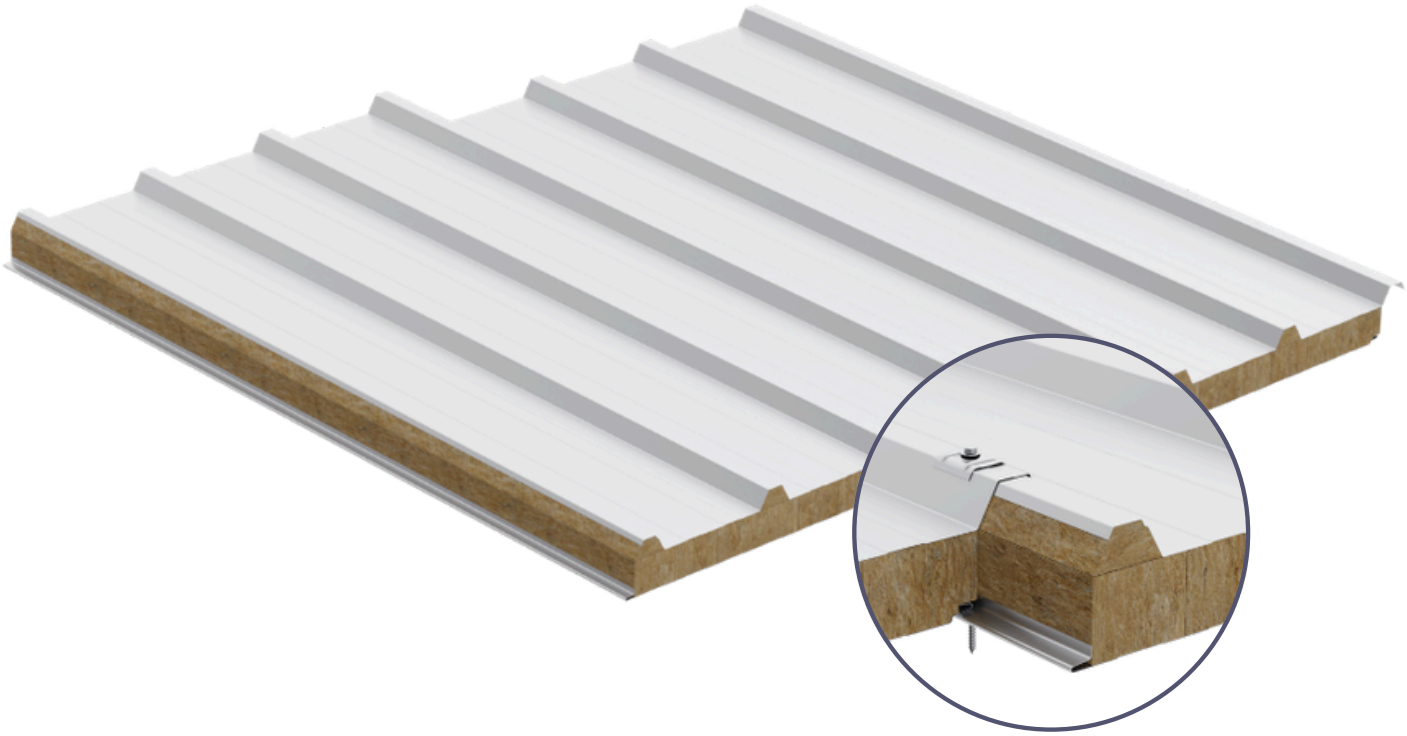
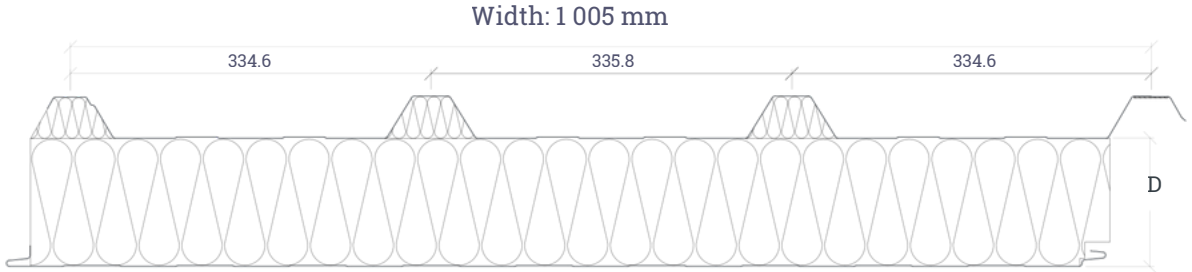
PRODUCT DATA SHEET

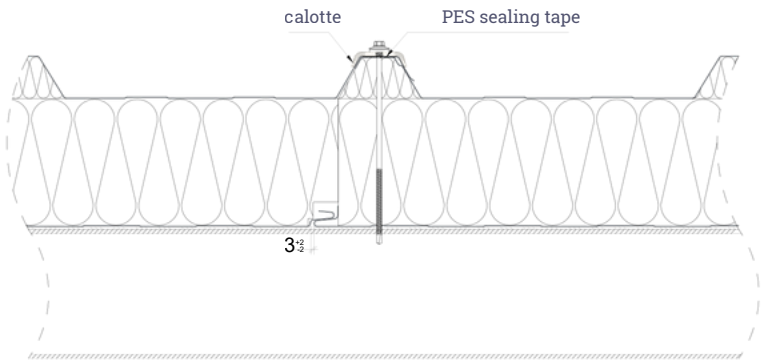
ARPANEL D MiWo



CROSS SECTION



D = 80/120, 100/140, 120/160, 150/190, 160/200, 180/220, 200/240, 220/260*, 250/290* mm



*The 220 mm and 250 mm thickness are produced on special order after consultation with the manufacturer.

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ARPANEL D MiWo

PARAMETERS

Core thickness [mm]	80/120	100/140	120/160	150/190	160/200
External facing thickness [mm]	0,6– 0,7				
Internal facing thickness [mm]	0,5– 0,7				
Core density [kg/m³]	105 ± 10%				
Weight [kg/ m²]	18,7	20,9	23,1	26,3	27,4
Proper acoustic insulation [Rw(C,Ctr) dB]	30 (-1,-3)				
Sound absorption [αw]	0,2				
Heat transfer coefficient Ud,S = W/(m2 x K)	0,48	0,39	0,32	0,26	0,24
Reaction to fire	A2-s1,d0				
Fire spread through roofs according to EN 13501-5	Broof (t1)			Broof (t1), (t3)	Broof (t1)
Fire resistance according to EN 13501-2	NPD	RE 120 / REI 90			

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ARPANEL D MiWo

PARAMETERS

Core thickness [mm]	180/220	200/240	220/260	250/290
External facing thickness [mm]	0,6– 0,7			
Internal facing thickness [mm]	0,5– 0,7			
Core density	105 ± 10% kg/m³			
Weight [kg/ m²]	29,6	31,8	33,9	37,2
Proper acoustic insulation [Rw(C,Ctr) dB]	31 (-1,-3)	NPD		
Sound absorption [αw]	0,2			
Heat transfer coefficient Ud,S = W/(m2 x K)	0,22	0,20	0,18	0,15
Reaction to fire	A2-s1,d0			
Fire spread through roofs according to EN 13501-5	Broof (t1)	Broof (t1), (t3)	Broof (t1)	
Fire resistance according to EN 13501-2	RE 120 / REI 90			

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



AVAILABLE LENGTHS OF PANELS

Standard lengths of panels are from 2,0 m to 14,5 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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