ARPANEL

PRODUCT DATA SHEET

Wall sandwich panel

ARPANEL SU MiWo

- hidden fastening system

EDITION 3/2026
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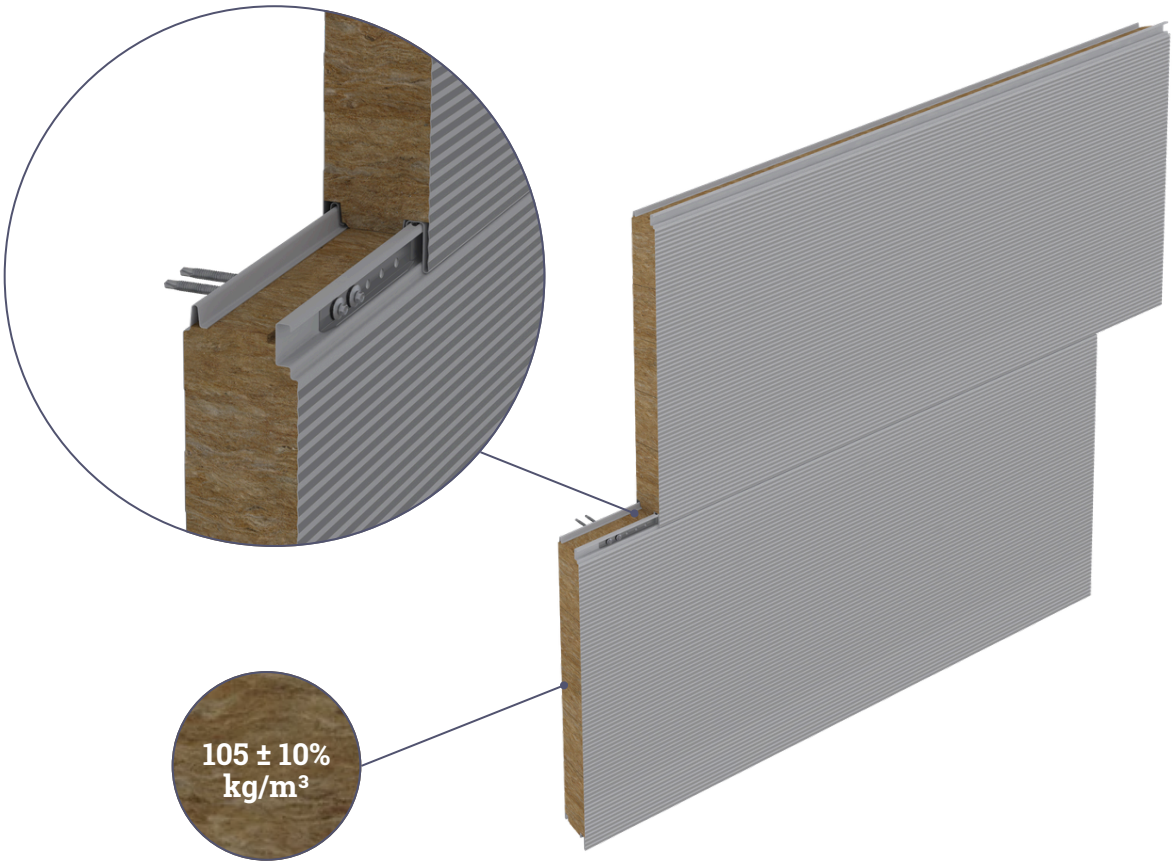
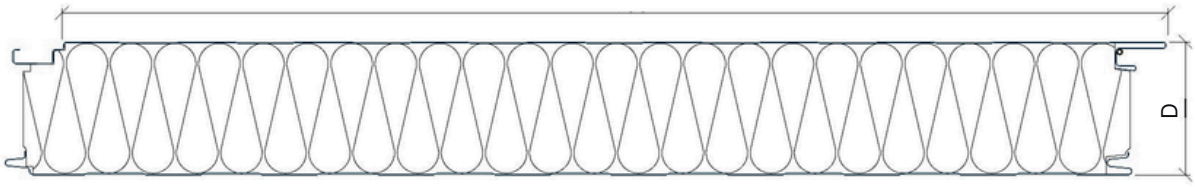
PRODUCT DATA SHEET

ARPANEL SU MiWo

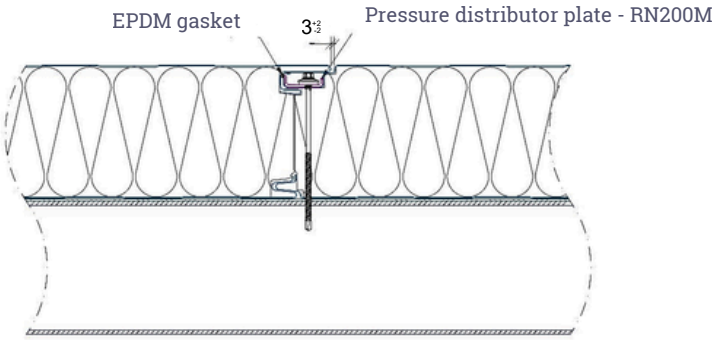


CROSS SECTION

Width: 1 000 mm



D = 100, 120, 150, 200, 242* mm



*The 242 mm thickness is produced on special order after consultation with the manufacturer

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PARAMETERS

Core thickness [mm]	100	120	150	200	242
External facing thickness [mm]	0,5 -0,7				
External facing thickness [mm]	0,5 -0,7				
Core density	105 ± 10% kg/m³				
Weight [kg/ m²]	20,5	22,6	25,9	31,3	35,8
Proper acoustic insulation Rw(C,Ctr) [dB]	31 (-2,-3)	30 (-2,-4)	31 (-2,-3)	30 (-2,-4)	
Sound absorption [αw]	0,35				
Heat transfer coefficient Ud,S = W/(m2 x K)	0,39	0,32	0,26	0,20	0,16
Reaction to fire	A2-s1,d0				
Fire spread according to PN-B-02867	NRO				

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

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INTERNAL WALL					
Core thickness [mm]	100	120	150	200	242
Fire resistance according to EN 13501-2 vertical	E 20 / EI 20 / EW 20 ≤ 7,5 m[2] E 20 / EI 20 / EW 20 ≤ 6 m[2] E 30 / EI 30 / EW 30 ≤ 4 m[2]	E 30 / EI 30 / EW 30 ≤ 7,5 m[2] E 45 / EI 30 / EW 45 ≤ 6 m[2] E 45 / EI 45 / EW 45 ≤ 4 m[2]	E 60 / EI 60 / EW 60 ≤ 7,5 m[2]	E 90 / EI 90 / EW 90 ≤ 7,5 m[2] E 120 / EI 90 / EW 120 ≤ 4 m[2]	E 120 / EI 120 / EW 120 ≤ 7,5 m[2] E 120 / EI 120 / EW 120 ≤ 6 m[2]
Fire resistance according to EN 13501-2 horizontal	NPD				

EXTERNAL WALL					
Core thickness [mm]	100	120	150	200	242
Fire resistance according to EN 13501-2 vertical	E 20 (i→o) / EI 20 (i→o) / EW 20 (i→o) ≤ 7,5 m[2] E 20 (i→o) / EI 20 (i→o) / EW 20 (i→o) ≤ 6 m[2] E 30 (i→o) / EI 30 (i→o) / EW 30 (i→o) ≤ 4 m[2]	E 30 (i→o) / EI 30 (i→o) / EW 30 (i→o) ≤ 7,5 m[2] E 45 (i→o) / EI 30 (i→o) / EW 45 (i→o) ≤ 6 m[2] E 45 (i→o) / EI 45 (i→o) / EW 45 (i→o) ≤ 4 m[2]	E 60 (i→o) / EI 60 (i→o) / EW 60 (i→o) ≤ 7,5 m[2]	E 90 (i→o) / EI 90 (i→o) / EW 90 (i→o) ≤ 7,5 m[2] E 120 (i→o) / EI 90 (i→o) / EW 120 (i→o) ≤ 4 m[2]	E 120 (i→o) / EI 120 (i→o) / EW 120 (i→o) ≤ 7,5 m[2] E 120 (i→o) / EI 120 (i→o) / EW 120 (i→o) ≤ 6 m[2]
Fire resistance according to EN 13501-2 horizontal	NPD				

[2] To maintain the declared fire resistance classification, an EPDM gasket must be installed on the external side of the panel joint.

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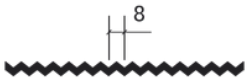
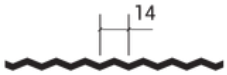
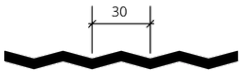
PROFILES

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, 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 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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