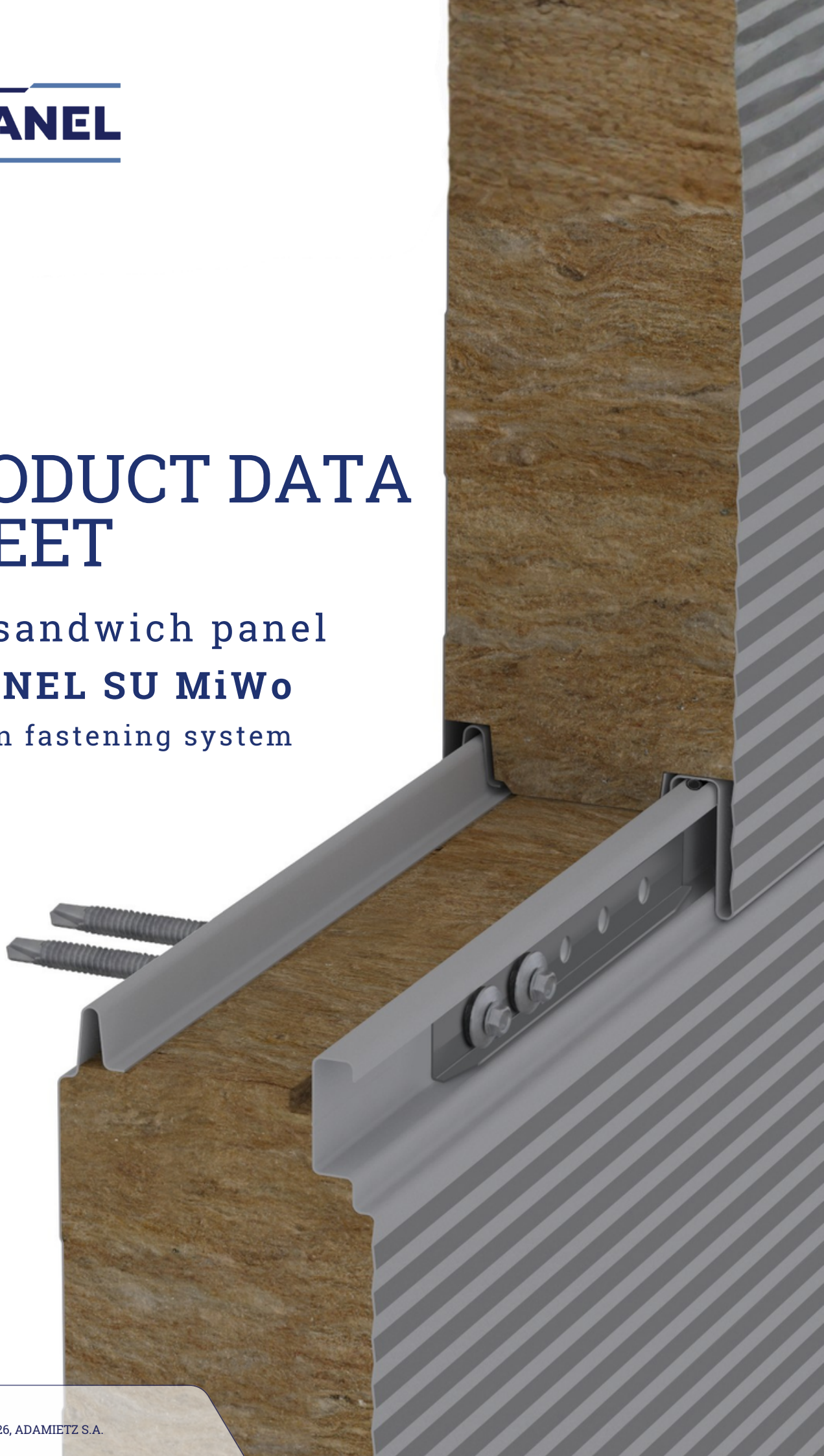


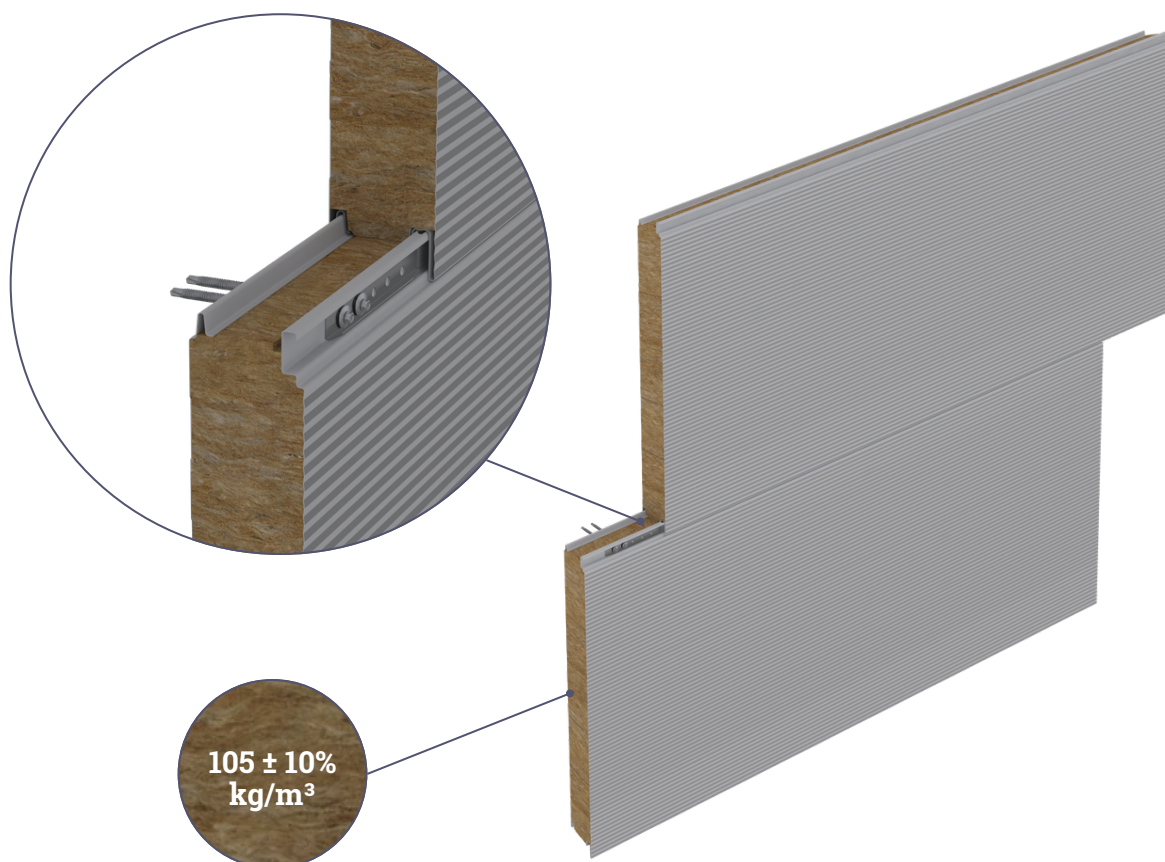
PRODUCT DATA SHEET

Wall sandwich panel

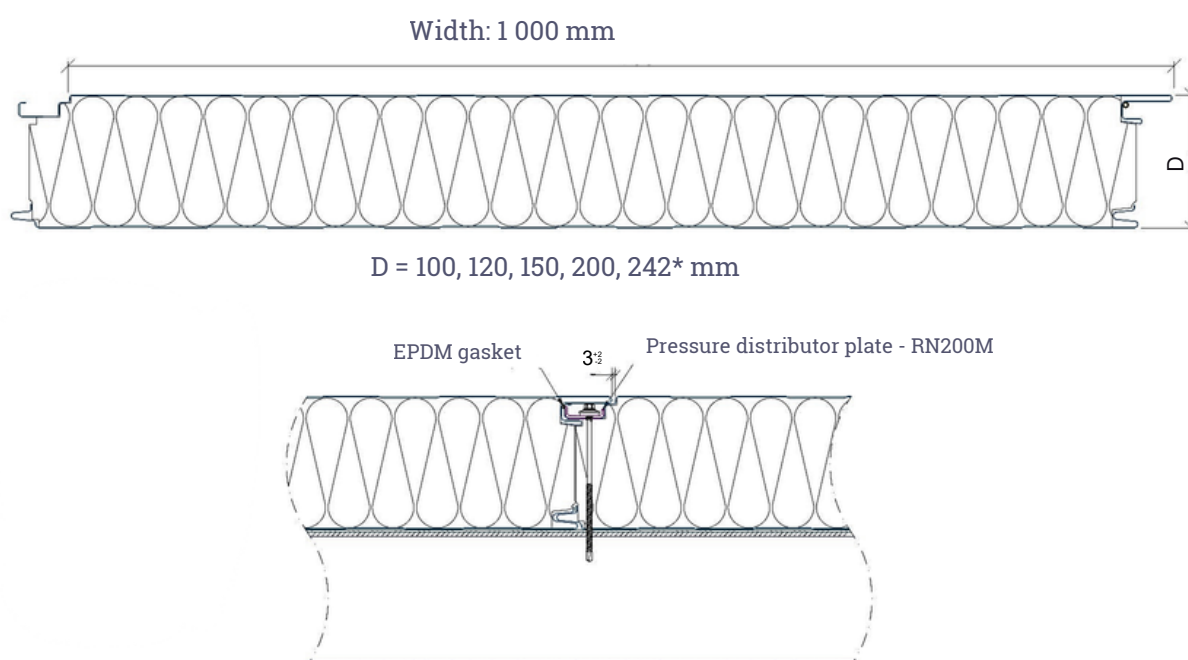
ARPANEL SU MiWo

- hidden fastening system





CROSS SECTION



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



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				

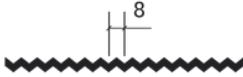
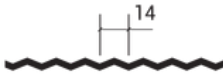
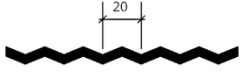
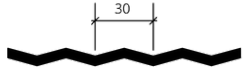
Installation details are available in the fire classifications of ARPANEL sandwich panels.

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.

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.

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 $D \leq 100$ 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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