



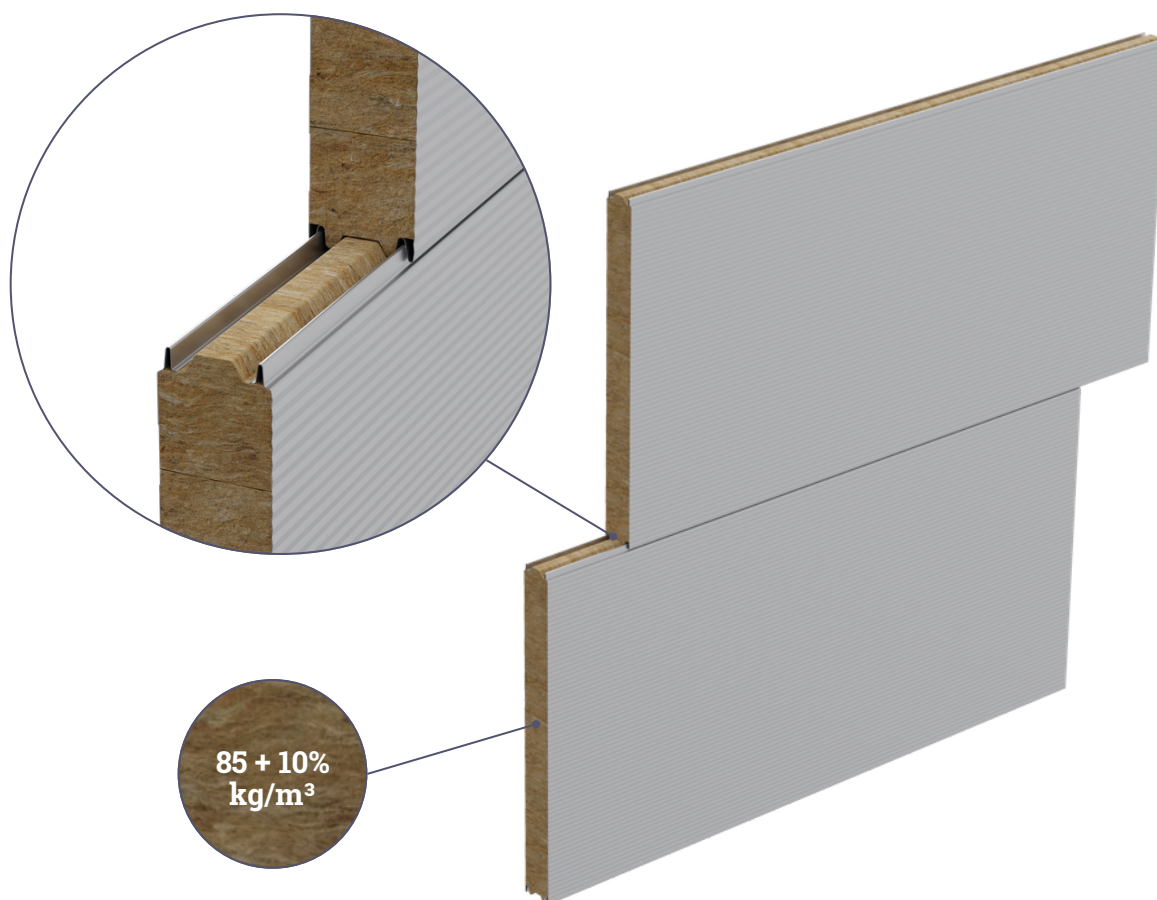
PRODUCT DATA SHEET

Wall sandwich panel

ARPANEL S MiWo Lt

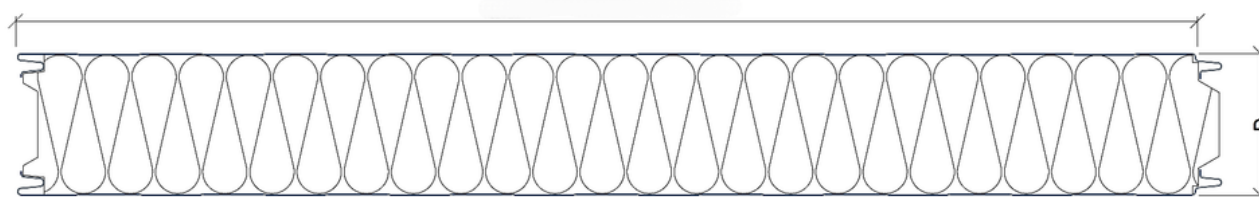
- standard fastening system



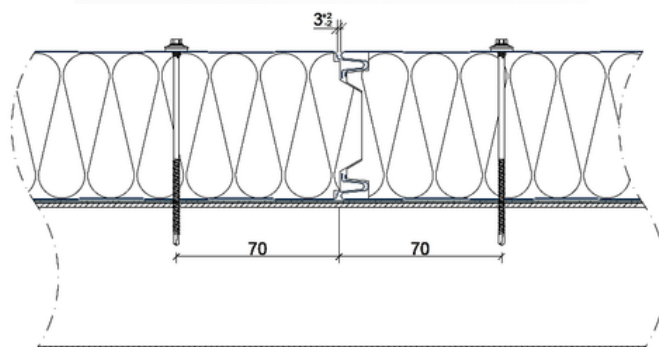


CROSS SECTION

width: 1 000, 1 100, 1 150 mm



D = 80*, 100, 120, 150, 160*, 180*, 200 mm



*The 80 mm, 160 mm and 180 mm thickness are produced on special order after consultation with the manufacturer.



PARAMETERS

Core thickness [mm]	80	100	120	150	160	180	200
External facing thickness [mm]	0,5 -0,7						
Internal facing thickness [mm]	0,5 -0,7						
Core density	85 + 10% kg/m ³						
Weight [kg/ m ²]	16,1	17,8	19,5	22	22,9	24,6	26,3
Proper acoustic insulation Rw(C,Ctr) [dB]	30 (-2,-3)						31 (-3,-4)
Sound absorption [α _w]	0,15						
Heat transfer coefficient U _{d,S} = W/(m ² x K)	0,46	0,37	0,31	0,25	0,23	0,21	0,19
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]	80	100	120	150	160	180	200
Fire resistance according to EN 13501-2 vertical	NPD						
Fire resistance according to EN 13501-2 horizontal	NPD		E 30/ EI 30/ EW 30 $\leq 7,5m$ E 45/ EI 30/ EW 45 $\leq 6m$ E 45/ EI 45/ EW 45 $\leq 4m$				E 120/ EI 90/ EW 120 $\leq 7,5m$ E 180/ EI 120/ EW 180 $\leq 4m$

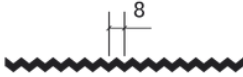
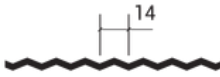
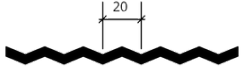
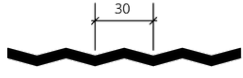
EXTERNAL WALL							
Core thickness [mm]	80	100	120	150	160	180	200
Fire resistance according to EN 13501-2 vertical	NPD						
Fire resistance according to EN 13501-2 horizontal	NPD		E 30 (o↔i)/ EI 30 (o↔i) / EW 30 (o↔i) $\leq 7,5 m$ E 45 (o↔i)/ EI 30 (o↔i)/ EW 45 (o↔i) $\leq 6 m$ E 45 (o↔i)/ EI 45 (o↔i)/ EW 45 (o↔i) $\leq 4 m$				E 120 (o↔i)/ EI 90 (o↔i)/ EW 120 (o↔i) $\leq 7,5 m$ E 180 (o↔i)/ EI 120 (o↔i)/ EW 180 (o↔i) $\leq 4 m$

INTERNAL WALL*							
Core thickness [mm]	80	100	120	150	160	180	200
Fire resistance according to EN 13501-2 vertical	NPD						
Fire resistance according to EN 13501-2 horizontal	NPD	E 90/ EI 60/ EW 90 ≤ 7,5m E 120/ EI 90/ EW 120 ≤ 4m	E 90 / EI 60 / EW 90 ≤ 7,5 m E 120 / EI 90 / EW 120 ≤ 6 m E 120 / EI 120 / EW 120 ≤ 4 m	E 120 / EI 120 / EW 120 ≤ 7,5 m E 180 / EI 120 / EW 180 ≤ 4 m	E 120 / EI 120 / EW 120 ≤ 7,5 m E 180 / EI 180 / EW 180 ≤ 4 m	E 120 / EI 120 / EW 120 ≤ 7,5 m E 180 / EI 120/ EW 180 ≤ 6 m E 180 / EI 180 / EW 180 ≤ 4 m	E 120 / EI 120 / EW 120 ≤ 7,5 m E 180 / EI 180 / EW 180 ≤ 6 m E 240 / EI 240 / EW 240 ≤ 4 m

EXTERNAL WALL*							
Core thickness [mm]	80	100	120	150	160	180	200
Fire resistance according to EN 13501-2 vertical	NPD						
Fire resistance according to EN 13501-2 horizontal	NPD	E 90 (o↔i)/ EI 60 (o↔i)/ EW 90 (o↔i) ≤ 7,5 m E 120 (o↔i)/ EI 90 (o↔i)/ EW 120 (o↔i) ≤ 4 m	90 (o↔i)/ EI 60 (o↔i)/ EW 90 (o↔i) ≤ 7,5 m E 120 (o↔i)/ EI 90 (o↔i)/ EW 120 (o↔i) ≤ 6 m E 120 (o↔i)/ EI 120 (o↔i)/ EW 120 (o↔i) ≤ 4 m	E 120 (o↔i)/ EI 120 (o↔i)/ EW 120 (o↔i) ≤ 7,5 m E 180 (o↔i)/ EI 120 (o↔i)/ EW 180 (o↔i) ≤ 4 m	E 120 (o↔i)/ EI 120 (o↔i)/ EW 120 (o↔i) ≤ 7,5 m E 180 (o↔i)/ EI 180 (o↔i)/ EW 180 (o↔i) ≤ 4 m	E 120 (o↔i)/ EI 120 (o↔i)/ EW 120 (o↔i) ≤ 7,5 m E 180 (o↔i)/ EI 120 (o↔i)/ EW 180 (o↔i) ≤ 6 m E 180 (o↔i)/ EI 180 (o↔i)/ EW 180 (o↔i) ≤ 4 m	E 120 (o↔i)/ EI 120 (o↔i)/ EW 120 (o↔i) ≤ 7,5 m E 180 (o↔i)/ EI 180 (o↔i)/ EW 180 (o↔i) ≤ 6 m E 240 (o↔i)/ EI 240 (o↔i)/ EW 240 (o↔i) ≤ 4 m

*Maintaining the specified fire resistance performance requires the use of a fire protection tape.

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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