



AR PANEL

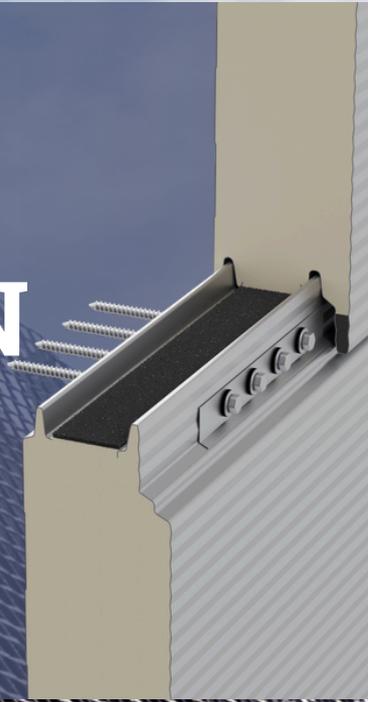


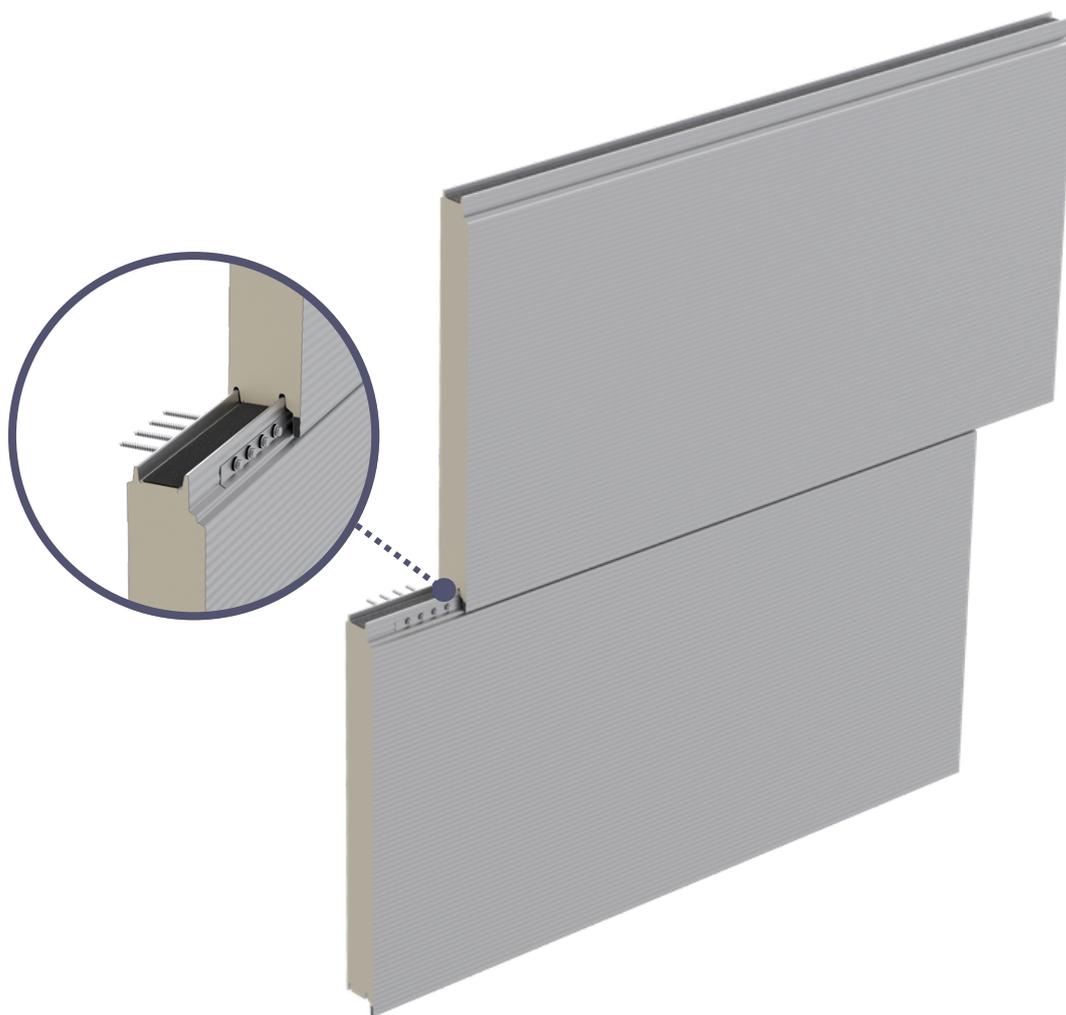
**PRODUCT
DATA SHEET
AR PANEL DUAL SKIN**

Wall sandwich panel

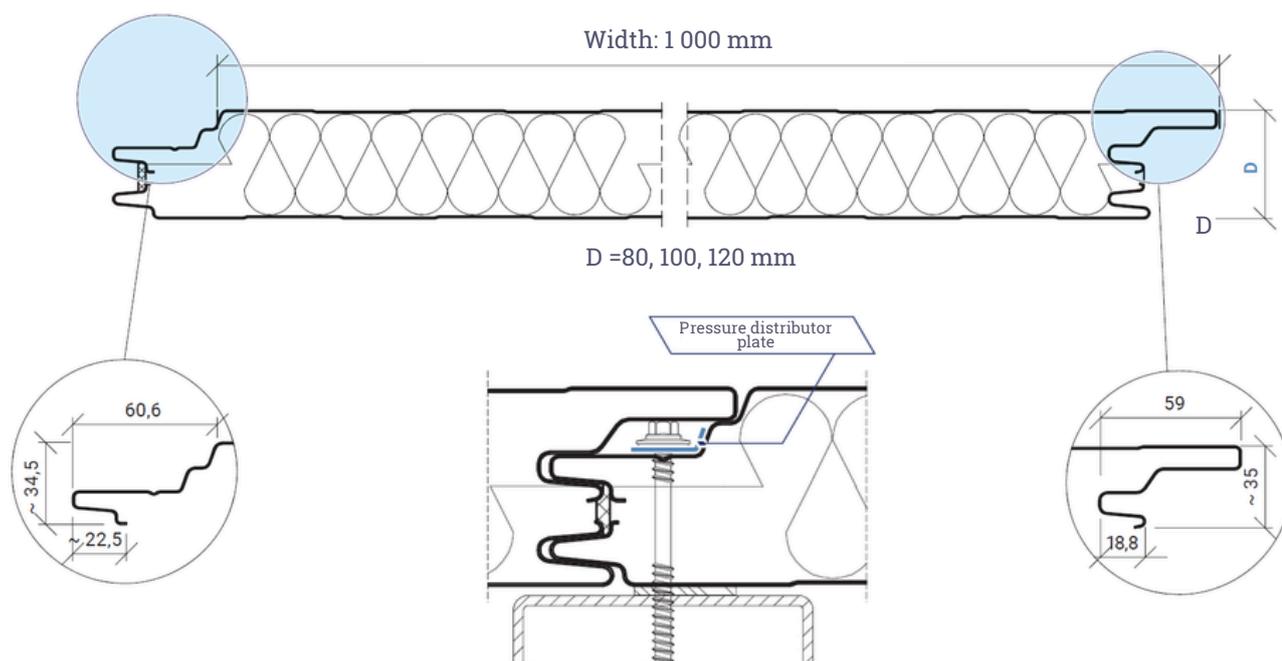
AR PANEL XSU PIR

- hidden fastening system





CROSS SECTION

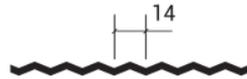
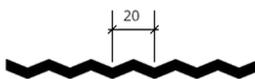


PARAMETERS

| Core thickness | 80 | 100 | 120 |
|---|--------------------------|--|--|
| External facing thickness [mm] | 0,6– 0,7 | | |
| Internal facing thickness [mm] | 0,4 – 0,7 | | |
| Core density | 42 ± 2 kg/m ³ | | |
| Weight [kg/ m ²] | 13,1 | 13,9 | 14,7 |
| Proper acoustic insulation [Rw(C,Ctr) dB] | 25 (-2;-4) | | |
| Sound absorption [αw] | 0,15 | | |
| Heat transfer coefficient Ud,S = W/(m ² x K) | 0,29 | 0,23 | 0,19 |
| Reaction to fire | B-s2,d0 | | |
| Fire spread according to PN-B-02867 | NRO | | |
| Fire resistance according to EN 13501-2 vertical | not classified | E 30 (i→o)/ EI 15 (i→o)/ EW 30 (i→o) ≤ 4m E 15 (i→o)/ EI 15 (i→o)/ EW 20 (i→o) ≤ 7,5 m | E 30 (i↔o)/ EI 30 (i↔o)/ EW 30 (i↔o) ≤ 4 m E 15 (i↔o)/ EI 15 (i↔o)/ EW 20 (i↔o) ≤ 7,5 m |
| Fire resistance according to EN 13501-2 horizontal | not classified | E 30 (i→o)/ EI 15 (i→o)/ EW 30 (i→o) ≤ 3 m E 15 (i→o)/ EI 15 (i→o)/ EW 20 (i→o) ≤ 4 m E 15 (i→o)/ EI 15 (i→o)/ EW 20 (i→o) ≤ 7,5 m | |

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

PROFILES

| Name | external | internal | cross-section |
|----------|----------|----------|--|
| Micro 14 | ✓ | ✗ |  |
| 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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