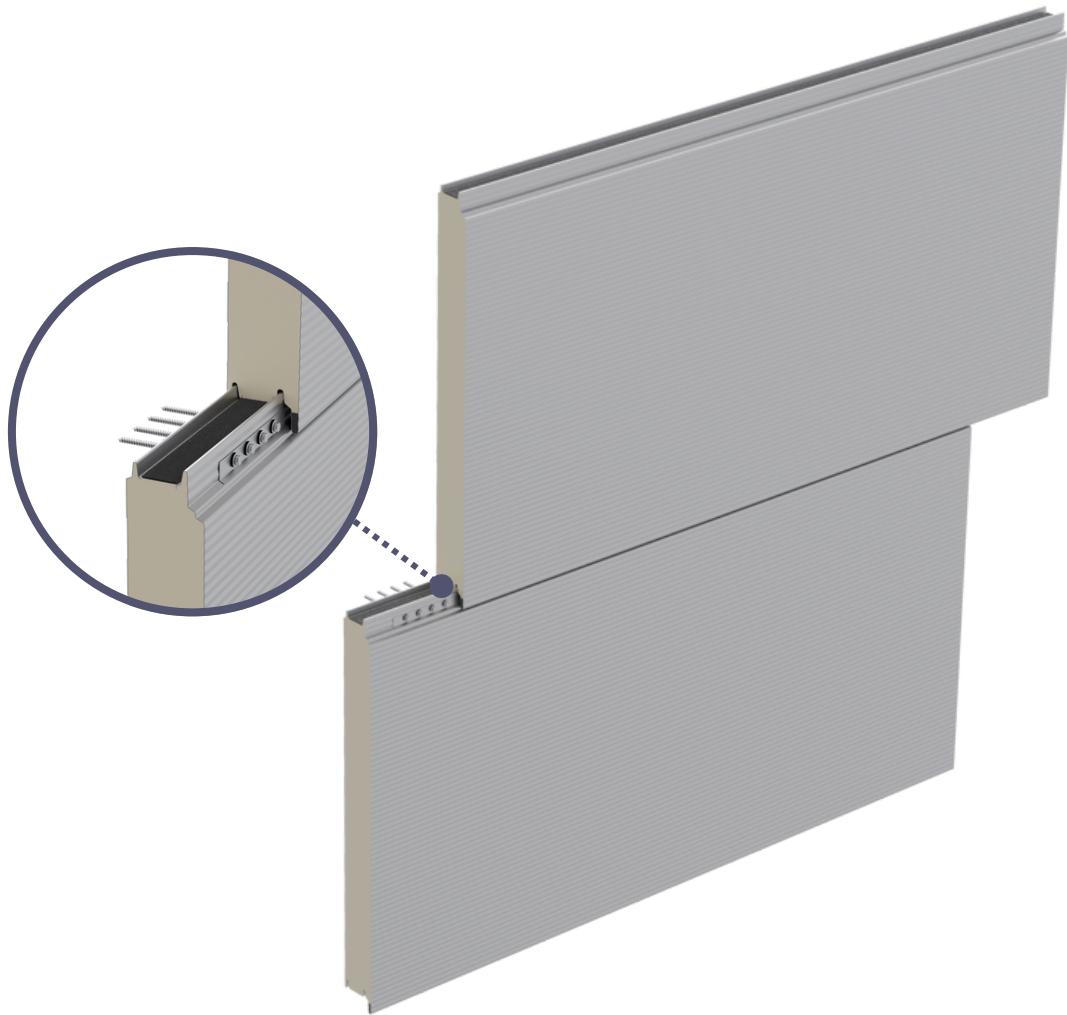


# PRODUCT DATA SHEET

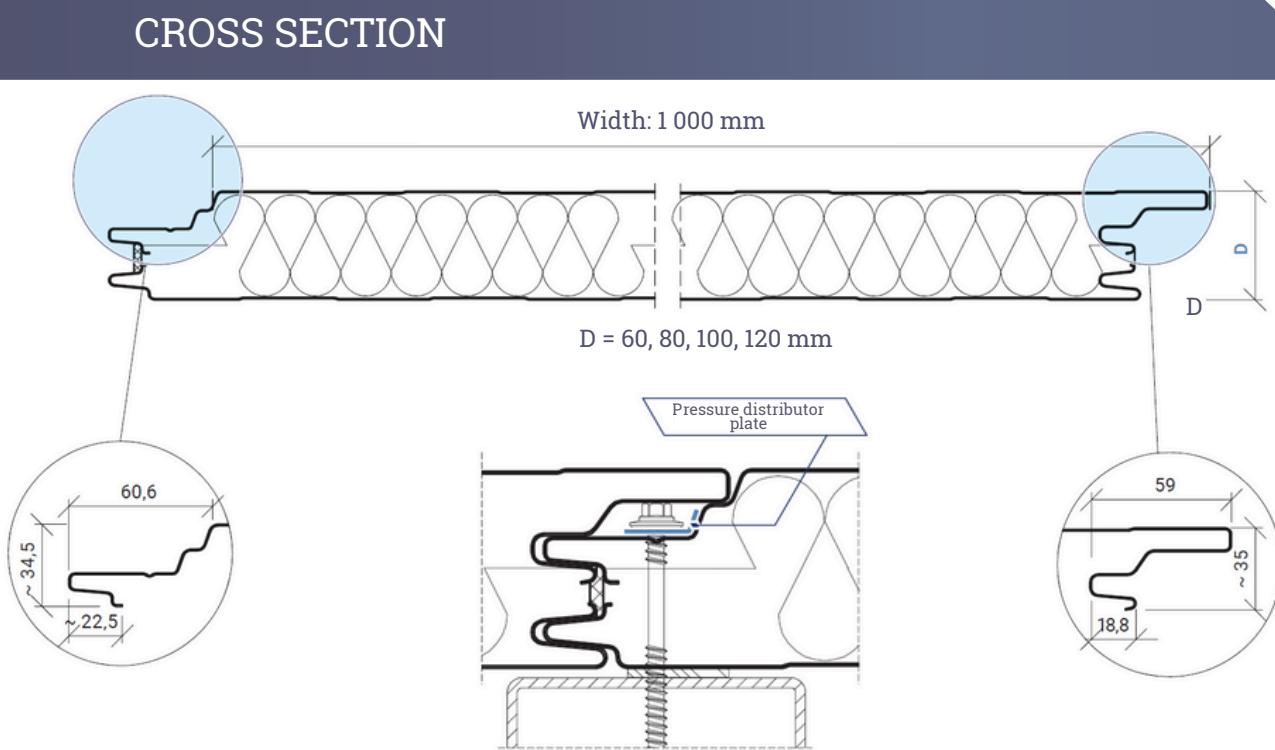
Wall sandwich panel

**ARPANEL SU PIR**

- hidden fastening system



## CROSS SECTION



## PARAMETERS

| Core thickness  | 60   | 80                       | 100  | 120  |
|---|------|--------------------------|------|------|
| External facing thickness [mm]                          |      | 0,5 – 0,7                |      |      |
| Internal facing thickness [mm]                          |      | 0,4 – 0,7                |      |      |
| Core density  |      | 40 ± 3 kg/m <sup>3</sup> |      |      |
| Weight [kg/ m <sup>2</sup> ]                            | 10,8 | 11,6                     | 12,4 | 13,2 |
| Proper acoustic insulation [Rw(C,Ctr) dB]               |      | 25 (-2;-4)               |      |      |
| Sound absorption [aw]                                   |      | 0,15                     |      |      |
| Heat transfer coefficient Ud,S = W/(m <sup>2</sup> x K) | 0,4  | 0,29                     | 0,23 | 0,19 |
| Reaction to fire  |      | B-s1,d0                  |      |      |
| Fire spread according to PN-B-02867                     |      | NRO                      |      |      |

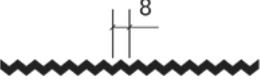
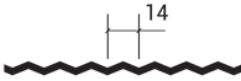
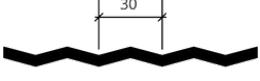
Installation details are available in the fire classifications of ARPANEL sandwich panels.



## PARAMETERS

| Core thickness  | 60             | 80 | 100   | 120  |
|---|----------------|----|---|--|
| <b>INTERNAL WALL</b>                                      |                |    |   |  |
| Fire resistance<br>according to EN 13501-<br>2 vertical   | not classified |    | E 30/ EI 20/<br>EW 30 ≤ 4m<br><br>E 20/ EI 15/<br>EW 20 ≤ 7,5 m   | E 30/ EI 30/<br>EW 30 ≤ 4 m<br><br>E 20/ EI 20/<br>EW 20 ≤ 7,5 m   |
| Fire resistance<br>according to EN 13501-<br>2 horizontal | not classified |    | E 30/ EI 20/ EW 30 ≤ 3 m<br><br>E 20/ EI 20/ EW 20 ≤ 4 m<br><br>E 20/ EI 15/ EW 20 ≤ 7,5 m  |  |
| <b>EXTERNAL WALL</b>                                      |                |    |   |  |
| Fire resistance<br>according to EN 13501-<br>2 vertical   | not classified |    | E 30 (i→o)/<br>EI 20 (i→o)/<br>EW 30 (i→o)<br>≤ 4m<br><br>E 20 (i→o)/<br>EI 15 (i→o)/<br>EW 20 (i→o)<br>≤ 7,5 m   | E 30 (i→o)/<br>EI 30 (i→o)/<br>EW 30 (i→o)<br>≤ 4 m<br><br>E 20 (o↔i)/<br>EI 20 (o↔i)/<br>EW 20 (i→o)<br>≤ 7,5 m |
| Fire resistance<br>according to EN 13501-<br>2 horizontal | not classified |    | E 30 (i→o)/ EI 15 (i→o)/ EW 30 (i→o)<br>≤ 3 m<br><br>E 20 (i→o)/ EI 20 (i→o)/ EW 20 (i→o)<br>≤ 4 m<br><br>E 20 (i→o)/ EI 15 (i→o)/ EW 20 (i→o)<br>≤ 7,5 m |  |

## 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, 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  $\leq 3$  m  $\pm 5$  mm

Panels with length of  $> 3$  m  $\pm 10$  mm

For the covering width of the sandwich panel,  $\pm 2$  mm

At the panel thickness:

For  $D \leq 100$  mm  $\pm 2$  mm

For  $D > 100$  mm  $\pm 2$  %

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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