

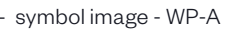
Acoustic wall exposed fastened



Figure 1 illustrates the profiles of the test cases, showing the spatial distribution of the profiles across the domain. The profiles are labeled PROFILE 1 through PROFILE 6. The profiles are defined by their horizontal segments and the vertical distance (2) from the baseline to the profile line.

- PROFILE 1:** Consists of two segments of length 50 each.
- PROFILE 2:** Consists of a single segment of length 122.
- PROFILE 3:** Consists of three segments of length 15, 30, and 30.
- PROFILE 4:** Consists of three segments of length 31, 61, and 61.
- PROFILE 5:** Consists of four segments of length 7.5, 15, 15, and 15.
- PROFILE 6:** Consists of four segments of length 7.5, 15, 15, and 15.

The vertical distance from the baseline to the profile line is indicated as 2 for each profile.



Technical drawing of a composite floor cross-section showing the assembly of two panels. The drawing includes dimensions: 50 units for the panel width, 5 units for the panel thickness, and 15 units for the core thickness. A green arrow points to the 'vapour barrier (PE film)' which is labeled 'SEALS!'. The drawing also shows 'core thickness' and 'butt joint: 2 mm ± 2 mm tolerance'.

PANEL TYPE	WP-A 60	WP-A 80	WP-A 100	WP-A 120	WP-A 140	WP-A 150	WP-A 160	WP-A 180	WP-A 200	WP-A 240
core thickness mm	60	80	100	120	140	150	160	180	200	240
U-value W/m²K - EN14509 including joint section	0.681	0.512	0.412	0.346	0.298	0.279	0.261	0.233	0.210	0.176
weight kg/m²	16.39	18.79	21.19	23.59	25.99	27.19	28.39	30.79	33.19	37.99

in line with EN 14509

max. 15.6 m (extra-long transport from 13.6 m) ATTENTION! Danger of kinking due to heavy weight in the case of long panels!

32 dB (frequency dependent)

0,90 in line with test report MA39-VFA 2017-0169.02

in line with EN 13501-1, Euroclass A2s1d0, **non-combustible**



fire protection

BRUCHA panel WP-A

Acoustic wall exposed fastened

DESIGN AND SURFACES Standard - coil-coated, hot-dip galvanised steel sheet

EXTERIOR

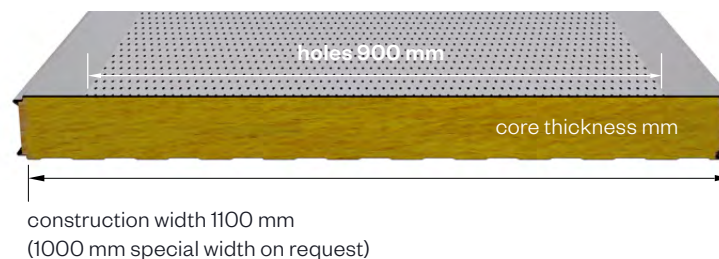
- Exposed side 25 µm polyester coating with a PVC protective film (not UV-resistant - protect from direct sunlight).
The film must be removed before installation or immediately afterwards.
- profile 1 = Standard, for other profiles see WP-A PROFILE options
- metal gauge: 0.6 mm (smaller metal gauge on request)

INTERIOR

- Exposed side 25 µm polyester coating with a PVC protective film (not UV-resistant - protect from direct sunlight).
The film must be removed before installation or immediately afterwards.
- profile 2
- hole proportion: 32.5 %
- bore diameter: 3 mm round bore, offset (5 mm distance)
- holes: DIN RV 3-5 (R3T5) (730-000)
- metal gauge: 0.6 mm (smaller metal gauge on request)

INSULATION CORE

- structural, web-oriented mineral fibre wool
- securely attached to the sheet steel shell
- density approx. 120 kg/m³, 140 kg/m³ available on request
- mat: glass fibre mat SM60/10 as trickle protection



STANDARD COLORS

in accordance with BASIC color range

PANEL CONNECTION

Tongue and groove system in which the panels interlink precisely with no thermal bridge.

TENDER TEXT

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EXTERNAL MONITORING

National and international tests and quality standards. We will send the certificates on request.

VAPOUR DIFFUSION

Determined by climatic conditions inside building. Panels must be installed vapour tight.

PANEL INSTALLATION

When working with our products, please follow our installation guidelines at bruchacom/downloads



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