

ACH WALL PANEL

Acoustic, 50 mm Thick. **Mineral Wool** core low density (type L)

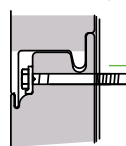
Profile and side joint PF1



Standard profile



Micro ribbed profile



Flat profile

Description

ACH WALL PANEL (PF1) is manufactured with two pre painted steel sheets, bonded with organic glued to the mineral core.

The internal face has microperforations 3mm diameter. A veil of glass fiber is placed between the perforated face and the core. For more noise absorption can be manufactured asking ACH, panel with holes of 5mm in diameter.

The steel sheets fulfill the EN10346 standards and they are available from 0.5mm to 1.00mm thick, being 0.5mm ACH's standard thickness.

To meet each project special appliance, ACH offers several coating options: SP25, PVDF25, PVDF35, HDS35, HDX55, PRISMA55, HPS200, etc. All according to EN 10169. ACH standard coating is 25µm Polyester (**SP25**).

ACH WALL PANEL (PF1) can be manufactured with other materials, upon request: Aluminum, Stainless Steel, etc. The Mineral core is produced according to EN13162 standard.

Applications

ACH WALL PANEL are recommended for are designed for the construction of walls in large industrial or civil construction. It can be used interchangeably for building facades and interior partitions of the following types of buildings:

- Warehousing: small, medium or large size, usually heated.
- Internal acoustic shielding in industrial installations.
- Acoustic insulation inside industrial buildings
- When fire protection is required or established by the Building Regulations and Standards
- Parking and garage Firewalls, to prevent fire propagation.
- Data Centers, where fire suppression is obligatory, in addition to high temperatures and noise insulation.
- Storage buildings designed for flammable and/or combustible substances storage.
- Professional rental spaces, where activity frequently changes.

Advantages

ACH prefabricated panels advantages are: easy and fast installation, lighter structure, high finish quality, fire protection, acoustic and thermal insulation, time and cost saving, with the best quality certification.

Performance

| Core's Thickness: mm | Panel's Width: mm | Maximum recommended Length: m | Core's Type | Panel's Weight: kg/m ² | Thermal Transm. W/m ² K |
|----------------------|-------------------|-------------------------------|-------------|-----------------------------------|------------------------------------|
| 50 | 1.150 | 7,00 | L | 11,9 | 0,690 |

Acoustics*

| R _w (dB) | R _A (dB) | α _w |
|---------------------|---------------------|----------------|
| 31,0 | 30,6 | 0,90 |

*Consult certificates.

Fire Reaction classification

A2-s1, d0 according EN-13501-1.

Fire Resistance

N.A. (Not applicable)

Range of application and behavior in the presence of water

- Temperature between -5°C and +180°C (check available coatings)
- Not hydrophilic.

Span Table

Single span condition.

| Load kg/m ² | 30 | 60 | 80 | 100 | 120 | 150 | 200 |
|------------------------|------|------|------|------|------|------|------|
| Max. span (m) | 5,07 | 3,22 | 2,45 | 1,96 | 1,64 | 1,30 | 1,05 |

Deflection Limit L/200. Security coefficient: 2,5.

Quality

Certificate of Conformity 2.1, according to the European Norm EN 10204.

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Customer Service

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Social Media



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