

ACH WALL PANEL (PF1)

60 mm thick, Mineral Wool core – Density type “L”

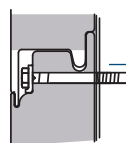
Profile and side joint PF1



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 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 (PF1) is a secret fixings insulated panel specially designed for industrial and large buildings construction, as well as ceilings. ACH WALL PANELS (PF1) are recommended for the construction of interior division walls and façades of:

- Warehousing: small, medium or large size, usually heated.
- 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, higher finishing quality, fire protection, acoustic and thermal insulation, time and cost saving, with the best quality certification.

Performance

| Thickness mm | Width mm | Máx. recommended length m | Core's Type | Weight kg/m² | Thermal W/m²K |
|--------------|----------|---------------------------|-------------|--------------|---------------|
| 60 | 1.150 | 7,00 | L | 12,8 | 0,710 |

Acoustics*

| R _w (dB) | R _A (dB) | a _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 -40 °C and +180°C
- Not hydrophilic.

*These are specific maximum temperatures, with the panel properties only guaranteed up to 100°C if it is a continuous temperature.

Span Table

Single span condition.

| Load kg/m² | 30 | 60 | 80 | 100 | 120 | 150 | 200 |
|------------|------|------|------|------|------|------|------|
| Span (m) | 5,25 | 3,40 | 2,75 | 2,50 | 2,06 | 1,60 | 1,20 |

Deflection limit L/180. Security coefficient: 1,8.

Quality

Quality control complying with UNE EN 10204.