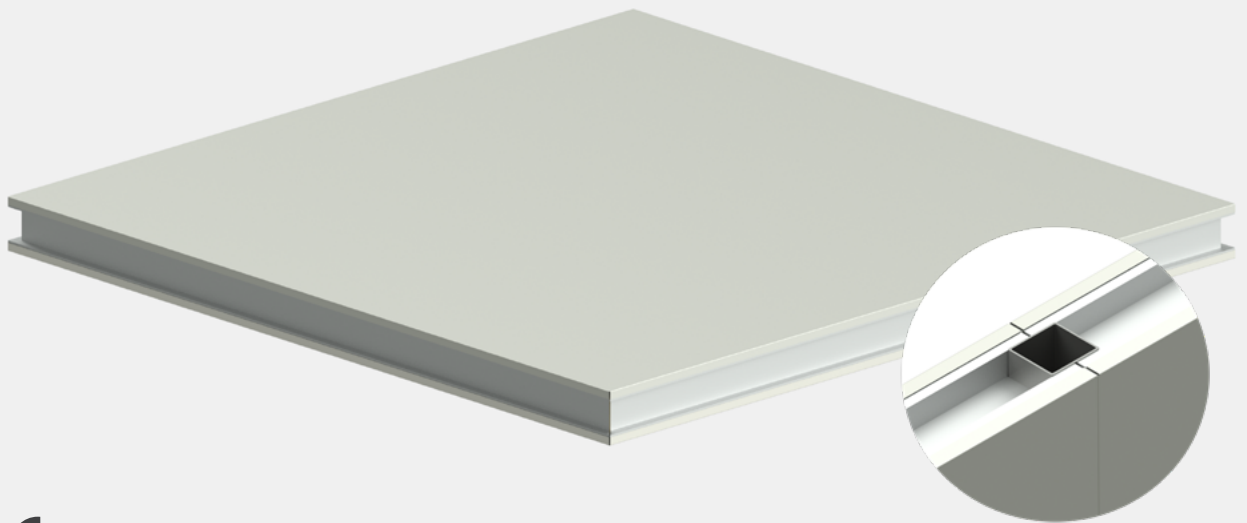


# Panel-Lab PIR Alu

PIR core panel  
for white rooms



CE

- The high performance of Panel-Lab PIR Alu, such as its lightness, rigidity and durability, make it an ideal panel for the construction of enclosures in clean rooms.
- The PIR insulating core, thanks to its closed cell structure, does not absorb water and is immune to attack by fungi and other deteriorating agents, maintaining its thermal performance throughout its useful life.



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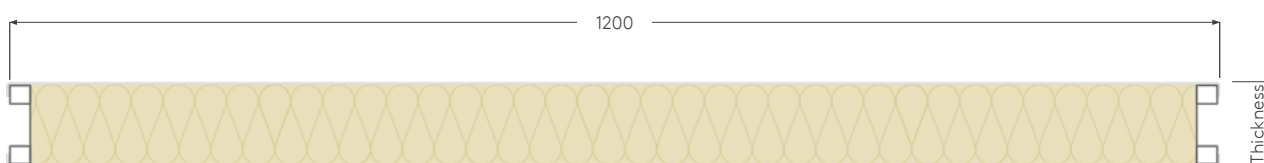


## Description and applications

- Sandwich panel with PIR core and aluminium profile. Steel faces in 0.6 mm thickness.
- Wide range of highly durable coatings, adapted to the environment in which the panel will be installed.
- The panel, which incorporates an aluminium trim profile, has been designed for the construction of walls, ceilings and partitions in clean rooms, laboratories, research centres, pharmaceutical sector, etc.



## Technical features



Useful width	1,200 mm			
Insulating core	Rigid foam PIR			
Core density	32 kg/m <sup>3</sup>			
Panel thickness (mm)	40	50	60	80
Self-weight <sup>(1)</sup> (kg/m <sup>2</sup> )	12.12	12.35	12.80	13.74
Thermal transmittance <sup>(1)</sup> (W/m <sup>2</sup> ·K)	0.64	0.52	0.44	0.34

(1) Considering 0.6 mm thick sheets and profile.

## Components

### Insulating core

- Polyisocyanurate (PIR) rigid foam with a density of 32 kg/m<sup>3</sup>.
- It does not absorb water, maintaining its performance throughout its useful life, and is not affected by biological agents.

### Steel types

- S220GD (standard).
- Inox A304.
- Standard sheet thickness 0.6 mm.

### Aluminium profile

- Perimeter border with aluminium profile on two, three or four sides of the panel. The profile allows the integration of support profiles for wall or ceiling fixing.

## Finishes

### Profiling options

- Flat finish.

### Coatings

- PS 25 micron, Granite HDX 55 micron, PET 50 micron, galvanised Z275.

### Customisable panel borders

- Aluminium profile adaptable to two-, three- or four-sided panel configurations.

### Gasket joint

- Recessed joint, with an aluminium profile, which allows the support profiles to house the wall or ceiling support profiles.

## Certifications and applicable regulations

### Reaction to fire classification

The range of panels has the reaction to fire classification C-s2, d0 for thicknesses of 40 and 50 mm. For thicknesses of 60 and 80 mm the reaction to fire classification is B-s2, d0.

### Product certification

- CE mark according to EN 14509:2013.



### Implementing regulations raw material

- Hot-dip galvanised sheet metal according to EN 10346 and organic coatings according to EN 10169.



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