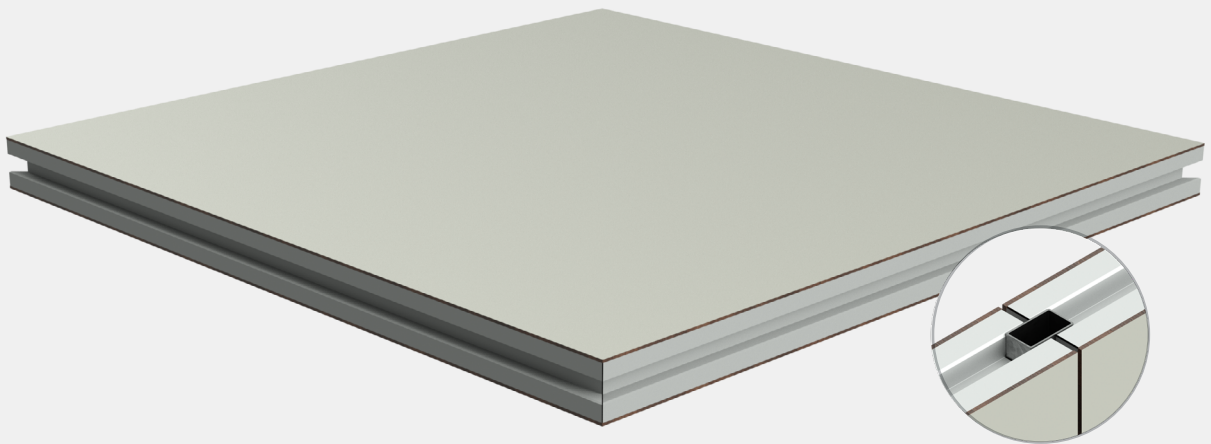


Panel-Est PIR Alu

Walls with PIR core and aluminium profile for clean rooms



- The high performance of Panel-Est PIR Alu, such as its lightness, rigidity and durability, make it an ideal panel for use in clean room enclosures.
- The PIR insulating core, thanks to its closed cell structure, does not absorb water and is resistant to fungal attacks and other deteriorating agents, maintaining its thermal performance throughout its service life.



invespanel

Panel-Est PIR Alu



Description and applications

- Panneau sandwich avec âme en PIR et faces extérieures en résine phénolique ignifuge (HPL) de 3 mm d'épaisseur et profil périphérique en aluminium.
- The panel is specially designed for use in white rooms, partition wall systems and door infills.
- Panel-Est PIR is characterized by its wear resistance and structural stability. Thanks to the design of its components, it is a solution with high resistance to moisture and impact, making it suitable for clean rooms, hospitals, laboratories and GMP rooms.



Technical features



Standard dimensions (width x length) ⁽¹⁾		1290 x 3040 mm / 940 x 2140 mm
Insulating core		PIR rigid foam
Core density		40 kg/m ³
Panel thickness (mm)		60
Weight ⁽²⁾	kg/ml	14.61
	kg/m ²	11.33

(1) Non-standard measurements available upon request.

(2) Considering 3 mm / 3 mm phenolic resin faces (int/ext).

Panel-Est PIR Alu



Components

Insulating core

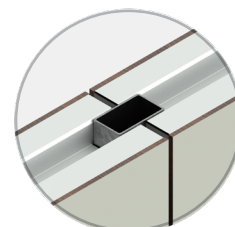
- Rigid polyisocyanurate foam (PIR) density 40 kg/m³.
- It does not absorb water, maintaining its properties throughout its useful life, and is not affected by biological agents.

Outer faces

- 3 mm thick thermoset phenolic resin (HPL) panels. For other thicknesses, please check availability.

Rebated joint

- Rebated joint that allows wall or ceiling support profiles to be housed inside.



Finishes

Finishing options

- Finish of the outer faces: flat finish.

Coating

- Phenolic resin surfaces are coated with treatments that improve their reaction to fire and moisture.

Colours

- The standard colours are Baikal White and Alpine White. For other colours, please check availability.

Perforation option

- Possibility of customised perforations on the panel.

Certifications and applicable regulations

Implementing regulations raw material

- EN 438-4:2016 manufacturing standard for high-pressure decorative laminates (HPL).
- PIR manufacturing standards EN 13165:2012+A2:2016. Thermal insulation products for building applications. Manufactured rigid polyurethane foam products. Specification.



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