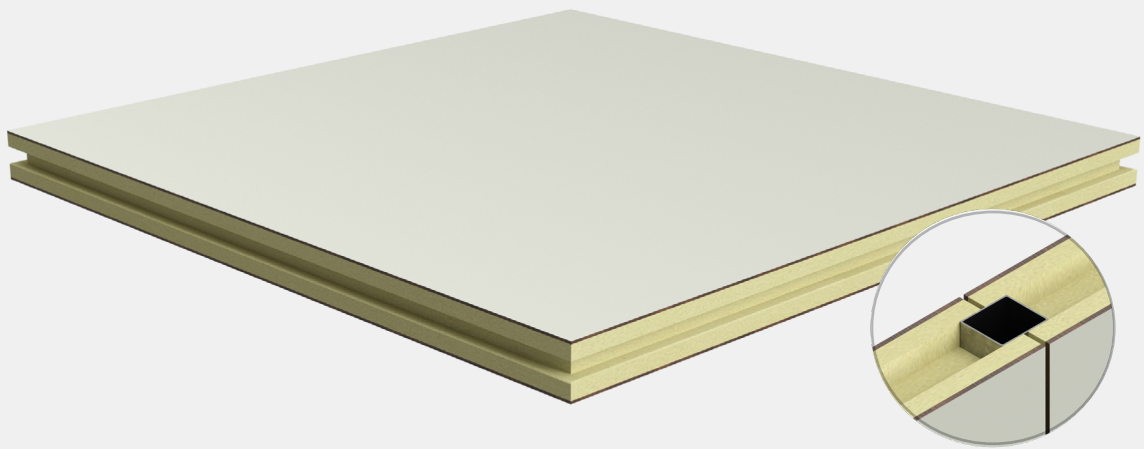


Panel-Est PIR

PIR core panel for
clean rooms walls



- The phenolic resin boards of the outer faces of the Panel-Est PIR are compact, non-porous and highly resistant to impact and the growth of microorganisms.
- 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.

Panel-Est PIR

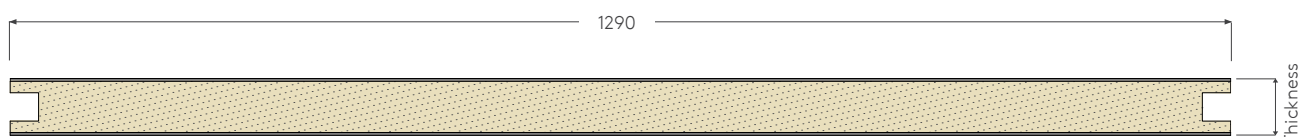


Description and applications

- Sandwich panel with PIR foam core and 3 mm thick phenolic resin exterior faces.
- 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)		30	40	50	60
Weight ⁽²⁾	kg/ml	11.69	12.20	12.72	13.24
	kg/m ²	9.06	9.46	9.86	10.26

(1) Non-standard measurements available upon request.

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

Panel-Est PIR



Components

Insulating core

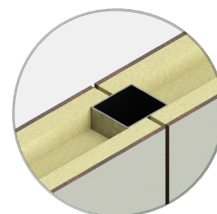
- Rigid polyisocyanurate foam (PIR) density 40 kg/m³.
- It does not absorb water, maintaining its properties throughout its useful life, and is not affected by biological agents.

Outer and inner side

- 3 mm thick thermosetting phenolic resin sheets (HPL). For other thicknesses, please consult availability.

Rebated joint

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



Finishes

Finishing options

- Finish of the outer faces: Smooth finish.

Coatings

- The phenolic resin faces are coated with treatments that improve the reaction to fire and moisture to humidity.

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. Thermal insulation products for building applications. Manufactured rigid polyurethane foam products. Specification.



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Kingspan | Invespanel

Pol. Buicio, Sector 6 Nave 4
E - 26360 Fuenmayor (La Rioja)
T: +34 941 450 923
E: info@invespanel.com
www.invespanel.com

