

PIR PANELS

To satisfy the challenging demands placed on thermal insulation, the PIR panel combines the best properties of traditional polyurethane with optimum reaction to fire. PIR is polyisocyanurate foam, obtained from a reaction between isocyanate and polyol. The higher the percentage of isocyanate in the mixture, the better the reaction to fire of the foam.

- PIR panels have an insulation coefficient that outperforms other insulation materials.
- Light and easy to handle, they help reduce assembly costs.
- Their mechanical resistance protects the insulating foam from splitting.
- PIR foam does not absorb water, therefore its insulation capacity does not deteriorate.
- Sealed cellular structure ensures the highest standards of hygiene.
- Reaction to fire far better than conventional foams.
- The use of PIR panels is preferred by many insurance companies.

These advantages make PIR the most cost-effective coldroom panel option and the ideal solution for the requirements of a market that is becoming increasingly demanding in terms of health, safety and insulation. The PIR panel has a dry seal connection system that replaces the old injected seal systems to ensure complete uniformity. The connection system enables horizontal or vertical panel assembly. The PIR panel has the fire reaction classification B, s2, d0.

TECHNICAL SPECIFICATIONS

- Net width (mm): 1150
- Insulation type: Rigid polyisocyanurate foam
- Nominal density (kg/m³): 40
- Sheet thickness (mm): 0.5
- Exterior finish: Lacquered/lacquered
- Thermal conductivity (W/m°C): 0.020

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KOXKA PANEL code No.	Thicknesses (mm)	Heat transmission coefficient (kcal/h.m ² °C)	Heat transmission coefficient (W/h.m ² °C)	Weight (kg/m ²)
PIR S-8/060 L/L	60	0.29	0.33	11.00
PIR S-8/080 L/L	80	0.22	0.25	11.70
PIR S-8/100 L/L	100	0.19	0.22	12.60
PIR S-8/125 L/L	125	0.15	0.17	13.50
PIR S-8/150 L/L	150	0.12	0.14	14.50
PIR S-8/175 L/L	175	0.10	0.12	15.50
PIR S-8/200 L/L	200	0.10	0.11	16.50

N.B. Other finishes and 0.6 mm sheet thickness are available on request.