ISOBOX / SUPERISOBOX
WALL PANEL

Description

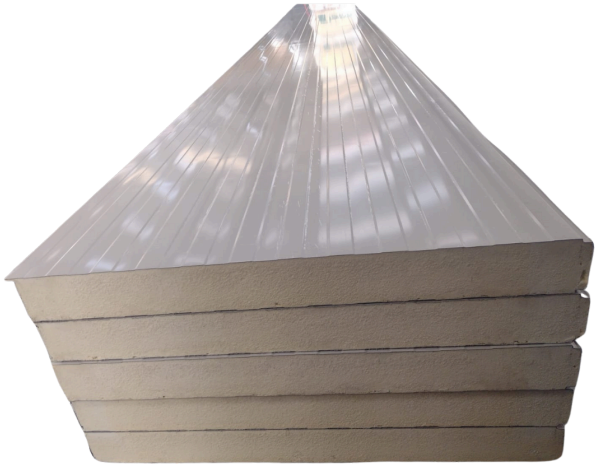
Double metal-faced wall panel with a rigid polyurethane (PUR) or polyisocyanurate (PIR) foam core and exposed-fastener joint system. The exterior face is available in Plissé, Box, or Piano profiles.

Applications

IISOBOX is a wall panel used in industrial and commercial buildings or interior partitions, also suitable for cold-storage and freezing chambers. Available in 1,150 mm (45¼") width and up to 8" thickness, it offers reduced operating costs and lower investment in refrigeration equipment, with the option of FM (Factory Mutual) certification.

Key Benefits

- Suitable for temperature-controlled environments
- High mechanical strength
- Excellent thermal resistance
- Thicknesses up to 8"
- Available in 1,150 mm (45¼") width



Specifications

- Joint: Tongue-and-groove
- Effective Width: 39⅜” (1000 mm) / 45¼” (1150 mm)
- Standard Length: Min. 2.50 m · Max. 16 m (Subject to transport availability)
- External Face: Pre-painted galvanized steel (EN 10346)
- Internal Face: Plastic-coated galvanized steel (EN 10346)
- Interior Finish: Polyester coating / Embossed option available
- Exterior Finish: Polyester coating / Embossed option available
- Foam Density: 40 kg/m³ ± 10 %
- Fixing System: Exposed screw
- Available Thicknesses: 1¼”, 1⅝”, 2”, 2½”, 3”, 4”, 5”, 6”, 8”

External Face Profiles

Box / Plissé / Piano

Thermal Insulation

Based on ASTM C518 and EN 10456 standards. The table below summarizes U and R values for PUR and PIR insulation cores:

Thickness	U (PUR) W/m²·K	R (PUR) m²·K/W	U (PIR) W/m²·K	R (PIR) m²·K/W
1¼”	0.59	1.69	0.57	1.73
1⅝”	0.45	2.2	0.44	2.25
2”	0.36	2.7	0.36	2.77
2½”	0.29	3.38	0.28	3.46
3”	0.24	4.06	0.24	4.16
4”	0.18	5.41	0.18	5.54
5”	0.14	6.77	0.14	6.93
6”	0.12	8.12	0.12	8.32
8”	0.09	10.83	0.09	11.09