

TECHNICAL SPECIFICATION

ISOCAB cold and refrigeration rooms comprise of self-supporting wall, roof and floor panels.
Thermio-free construction throughout.
Complete with insulated PVC corners and (or) separation walls.

PANELS

ISOCAB panels comprise of two steels skins that are injected with a high pressure polyurethane foam, thus creating an insulated sandwich panel. A double tongue and groove jointing method ensures easy quick and stable installation. The ISO 6 panels being similar in construction have only single interrupted tongue and groove connection.

The ISOCAB lock is foamed into the panel at a maximum of 600 mm in order to pull the panels together thus ensuring a secure airtight joint either at the panel or corner profile.

The ISOCAB locking is operating by a 10 mm Allen Key, operated through two 90° turns pulling the panels together, and is totally demountable. The external skins of the panels incorporate a single return bend and incorporate a non-ageing close cell compressible seal.

INSULATION

Closed cell rigid injected polyurethane foam.

Density: $\pm 40 \text{ kg/m}^3$ - value - $0,22 \text{ W/m}^2\text{K}$ (NBN - 862.203)

CFC-free

	ISO 6	ISO 8	ISO 10	ISO 14
Wall thickness (mm)	60	80	100	140
K-value ($\text{W/m}^2\text{K}$)	0,366	0,270	0,220	0,157
Temperature ($^{\circ}\text{C}$)	> 0	> -20	> -25	> -35
Weight (kg/m^2)	$\pm 12,5$	$\pm 13,3$	$\pm 14,1$	$\pm 15,7$

Classification fire-reaction is A1 (NBN - S21.203), other possibilities in option.



MODULE AND MEASUREMENTS

The module is 300 mm, the measurements of the panels are a multiple of the module.

Width: 300 mm to 1200 mm

Length: 300 mm to 3900mm

FINISHING OF THE PANELS

The finishing of the wall and roof panels is galvanized steelplate (zinc sheet min. 275 gram/m²), thickness minimum 0,60 mm with polyester lacquer 25 my of plastisol 100my, for food process purposes, with protection film 80 my.

Colour = white 9002 (RAL)

Other finishes : refer to options.

The tread of the floor panels is a phenolic finish reinforced with glass fibre. Abrasion resistant and anti slip.

The underside of the floor panels is steelplate with aluminium finish, minimum thickness 0,50 mm.

The floor is erected on a floor mounting profile 42 x 42 mm.

The maximum load of the floor panels is 500 kg divided over 4 rubber wheels and 3000kg/m² for a divided charge.

Cells without floor are erected on a load bearing PVC profile, colour white 9002 (RAL).

We require flat and level site. The connection to floor and wall must be waterproof.

CORNERS

The corner pieces are extruded PVC profiles, colour white 9002 (RAL), injected with rigid polyurethane foam and every 300 mm notched for the panel closures. The corner pieces assure a thermic-free connection.

OPTIONS

- Round corners in PVC or in aluminium.
- White PVC plinths with invisible connection and accessories.
- Ventilation ports for freezers, quantity dependent on installation and the size of the room.

