



Product selector



WHY ISOMASTERS?

ISOTHERMAL PANELS AND DOORS

Thanks to the close contact we have with our customers and our continuous strive for the highest quality and optimisation, you can be sure that **isomasters** has a high-quality and aesthetically pleasing range of doors.

In addition to the excellent thermal properties, our panels and range of doors are quick and easy to install. A comprehensive range of door frames, trims, **CLEANsafe** coatings and options has been created to meet the demands of our end customers.

FIRE AND THERMAL PERFORMANCE

For several years now, **isomasters** has played a leading role in the sector in terms of fire reaction and fire resistance, in particular with its insulated industrial sandwich panels. As the performance of products with regard to fire is very important within the sector, it is a significant benchmark in the development of the product range and further product improvements in this area remain a priority.

We closely cooperate with official organisations in the various markets, as well as with fire insurers, to ensure that the highest possible standards are achieved. The IND and Decaroc industrial sandwich panels, manufactured by **isomasters**, have been subjected to numerous and extensive tests.

The IND and Decaroc panels have both been FM approved. The Decaroc A2-s1,d0 panel is the product that is insured for negative temperatures down to -25°C with a fire resistance to EI180 when used in partition walls, outside walls and ceilings. The IND Panel with a PIR insulation core, is classified as B-s1,d0 from panels of 60mm. They are also EI30 classified as 100mm with stitching screws and 120mm without stitching screws. And as EI60 at a thickness of 200mm.

Completely new in the range are the super-insulating industrial IND sandwich panels with a QuadCore insulating core, providing a 20% better thermal performance and a superior fire safety; the best in the sector.

TECHNICAL SERVICE

isomasters strives to provide its customers with the best service. This means high levels of customer support and technical expertise from the design phase through to product training and after-sales support.


Our Technical Services team forms an important part of this support. The team provides information on the technical aspects of construction when using **isomasters** products, such as building regulations, certificates held and design support.

CUSTOMER SERVICE

isomasters has built a successful reputation by responding quickly and precisely to the needs of customers in all sectors. Its dedicated and skilled employees play an essential and dynamic role.

The **isomasters** Customer Service team is always available for all customer order queries and is focused on providing a rapid response.

WELCOME AT ISOMASTERS



isomasters has seen more than 40 years of success on the international market and is renowned for its quality, innovation, reliability and excellent customer service.

The new range of isomasters consists of modular cold rooms and freezers, insulated industrial sandwich panels and an extensive choice in insulated doors and accessories.

ABOUT ISOMASTERS

isomasters two internationally renowned manufacturers of modular ISO panels and insulated doors, have merged into a joint venture to form the new ISOCAB-ISOBAR NV, under the wing of the KINGSPAN Group.

The company manufactures modular cold rooms and freezers for the food and retail sectors, including meat, fish, dairy and vegetable processing companies, restaurants, supermarkets, logistical centres, and the pharmaceutical sector. With an annual turnover of more than EUR 50 million and a modern production facility in Belgium, **isomasters** is one of the main suppliers of construction systems for conditioned industrial environments.

The complete **isomasters** range consists of modular cold rooms and freezers, called MODULAR, MINIBOX and COLDBOX, and a very extensive and innovative series of insulated doors and accessories for any application.

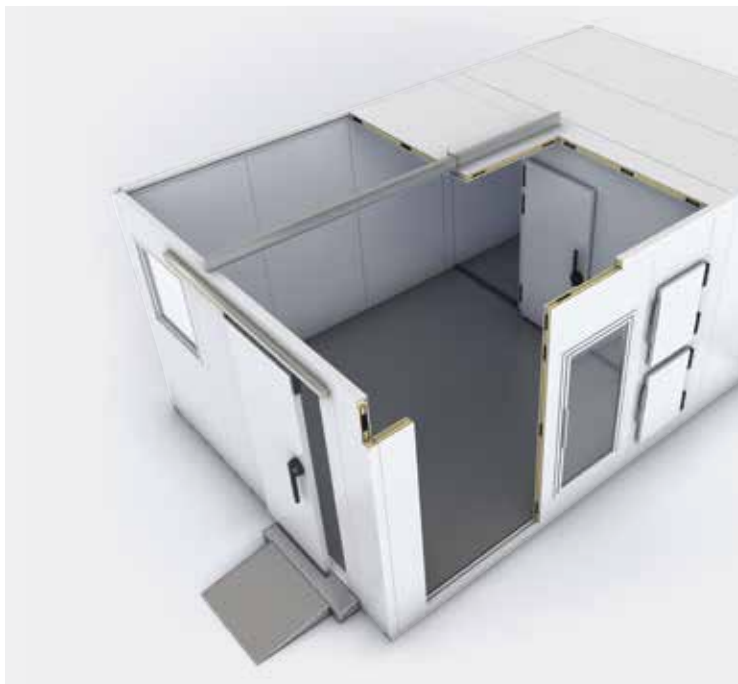
The range also includes industrial insulated sandwich panels (IND) with standard PIR insulation classified as B-s1,d0 and Decaroc fireproof rockwool panels classified as A2-s1,d0.

New in the range are the super-insulating ECOHOME construction panels, specifically designed for low energy and passive residential constructions without thermal bridges. They have PIR properties and are classified as B-s1,d0 (www.ecohomepanel.com).

isomasters is dedicated to serving its customers with products that meet the most stringent regulations and all major international industry standards.

isomasters offers total solutions from the design stage to delivery and after-sales support for both the European market and many export destinations worldwide.

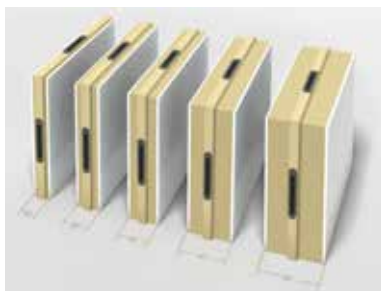
MODULAR COLD ROOMS



The ISO range provides a modular building solution for cold rooms and freezers used in various industries for storing perishable goods.

The ISO range consists of insulated sandwich panels made of two flat pre-painted galvanised steel sheets between which polyurethane foam is injected. These insulated sandwich panels are resistant to damp, fungi and bacteria and are suitable for walls and/or ceilings.

The isomasters sealing system, which ensures a perfect hermetic seal between the panels, and a professional installation in accordance with the isomasters regulations creates a perfectly conditioned environment.



MODULAR: ISO 06 - 08 - 10 - 14 - 18

The ISO cells from the MODULAR range offer an optimum thermal efficiency and ease of installation for any cold room and freezer. The panels of this system are very quickly available in expandable standard modules for wall, ceiling and also floor panels.

The sandwich panels have a perfectly fitted camlock joint, which, together with the foam-filled offset zip joint, ensures a fast installation without a thermal bridge.

Due to this fast construction system, ISO cells are easy to remove and move.

The range is completed with L- or U-shaped ALU racks with PE shelves and Monobloc and Split refrigeration units.



MINIBOX

The MINIBOX is a small modular cold room which is simple and quick to install in rooms with restricted space. The cells are composed of sandwich panels of 80mm thick, modularly expandable from 900mm to a maximum of 3.000 x 4.500mm and with available external heights of 2.100 or 2.400mm.

MINIBOX cells are supplied as a fast kit for small cold rooms with or without a floor, or as a freezer down to -20°C with a floor. The cells always have a standard isothermal hinged door of 700mm wide with a lock and emergency opener. Various options and accessories are available.



COLDBOX

These cells are, just like the MINIBOX, composed of panels of 80mm thick and available from 900mm to a maximum of 2.100 x 4.500mm and 2.100mm high. The COLDBOX is available with or without a floor, depending on the application, and as a freezer down to -20°C with a floor. The isothermal hinged door has a useful opening of 700mm wide and an auxiliary heater for freezing temperatures.

Freezers come with a heated pressure relief valve and a floor ventilation grid which can be built in.

COLDBOX cold rooms and freezers are also fully equipped with a ready-to-use plug-in and adjustable cooling unit for indoor use and have L- or U-shaped ALU racks with PE shelves at 4 different heights. A real all-in-one solution!

PRODUCT BENEFITS

- Fast and easy installation
- Extremely easy to assemble and disassemble
- A choice of ISO cell thickness according to the circumstances and needs
- Excellent thermal properties
- Perfect hermetic seal between the panels
- Wide choice of options and accessories

INDUSTRIAL SANDWICH PANELS



Insulated industrial sandwich panels are designed for applications in a variety of environments where temperature control and hygienic safety are of great importance. Examples of this include production areas in food processing plants, cold rooms and freezers, air-conditioned rooms for distribution, applications in the pharmaceutical industry, etc.

Industrial sandwich panels can be used both as an interior and exterior wall and in ceilings and/or roofs (with an additional insulation and a waterproof PVC membrane).

They can be fitted both vertically and horizontally according to the design and technical possibilities. Easy and quick to install, these panels offer a very versatile and economic construction solution.

IND



The IND panel, manufactured by **isomasters**, is one of the systems in the range of insulated sandwich panels. This panel is specifically intended for applications in food processing industries and to build industrial cold rooms and freezers. It can be used as a wall and ceiling panel inside buildings, as a façade panel outside and also as a flat roof outside, to provide with an additional insulation and a waterproof PVC membrane.

The IND Panel with a PIR insulation core, is classified as B-s-1,d0 as from 60mm and available up to 220mm thick. They are also EI30 classified as 100mm with stitching screws and 120mm without stitching screws. And as EI60 at a thickness of 200mm. IND panels are FM approved.

POWERED BY
QuadCore
TECHNOLOGY

Completely new in the range are the superinsulating IND panels guaranteeing a 20% better thermal performance and a superior fire safety due to QuadCore technology.

Thickness in mm		40	60	80	100	120	140	170	200	220
IND Paneel - PIR (standard ribbed profile) $\lambda = 0,020 \text{ W/m.K}$	Wall $U_{n,s} \text{ (W/m}^2\text{.K)}$	0,480	0,325	0,245	0,197	0,165	0,141	0,117	0,099	0,090
	Weight (0,5/0,5mm) (kg/m ²)	9,920	10,720	11,520	12,320	13,120	13,920	15,100	16,320	17,120

Thickness in mm		40	60	80	100	120	140	170	200	220
QuadCore IND Panel (standard ribbed profile) $\lambda = 0,018 \text{ W/m.K}$	Wall $U_{n,s} \text{ (W/m}^2\text{.K)}$	0,436	0,294	0,222	0,178	0,148	0,127	0,105	0,089	0,081
	Weight (0,5/0,5mm) (kg/m ²)	9,920	10,720	11,520	12,320	13,120	13,920	15,100	16,320	17,120

Thickness in mm		60	80	100	120	150	170	200	240	300
Decaroc 50C $\lambda = 0,041 \text{ W/m.K}$	Wall $U_{n,s} \text{ (W/m}^2\text{.K)}$	0,622	0,477	0,387	0,326	0,263	0,233	0,199	0,167	0,134
	Weight (0,6/0,5mm steel sheet) (kg/m ²)	14,93	16,83	18,73	20,63	23,48	25,38	28,23	32,03	37,63
Decaroc 50F $\lambda = 0,044 \text{ W/m.K}$	Wall $U_{n,s} \text{ (W/m}^2\text{.K)}$	0,663	0,509	0,414	0,348	0,281	0,249	0,213	0,179	0,144
	Weight (0,6/0,5mm steel sheet) (kg/m ²)	16,43	18,83	21,23	23,63	27,23	29,63	33,23	38,03	45,23

Decaroc



The Decaroc panels are also FM approved and specifically designed for applications in refrigerated storage areas and the food industry where fire safety is of the utmost importance. Decaroc is the ideal fire wall thanks to its exceptional reaction to fire and excellent fire resistance.

The range also includes the Decaroc Acoustic panels that are specifically intended for buildings requiring acoustic solutions, and where soundproofing and fire safety are of great importance.

Decaroc panels are available as type 50C and as type 50F with a high density. Technical data sheets are available upon request.

PRODUCT BENEFITS

- Industrial construction system
- Fast and easy installation
- Super-insulating properties
- Fire safety properties
- Choice of a large number of CLEANsafe coatings
- Technical dates: see www.isomasters.com



ISOTHERMAL DOORS



The **isomasters** range of doors consists of isothermal hinged and sliding doors for both positive and negative temperatures.

isomasters doors are easy to install in sandwich panels for cold rooms and freezers, production rooms and cooled or air-conditioned units, or in traditional masonry.

There is a very wide range of finishing options for frames and doors, door fittings, dimensions and options.

Hinged cold room and freezer doors

Type OFE - ODE - OFD - ODD

Semi-flush insulated doors for cold rooms and freezers, manufactured using the latest techniques in high-quality materials. Door with a thickness of 100mm PUR foam and a double rubber seal. This type of door is equally applicable as an isothermal door for cold rooms and freezers. Door frames are available in PVC, ALU or stainless steel according to choice. All doors are equipped with a lock, emergency opener and rising adjustable hinges.

Lightweight cold room and freezer sliding doors

Type EPE - ENE

The hermetically closing cold room and freezer sliding doors of the type EPE - ENE have no thermal bridge. The doors have a core of 60mm (t°+) or 100mm (t°-) and slide on an ALU 125 rail. Door frames are available in PVC, ALU or stainless steel according to choice. These doors have a beautiful aesthetic look and a favourable price. Automatic versions and many other options are available.

Heavy cold room and freezer sliding doors

Type ZPE - ZNE

The **isomasters** The ISOCAB-ISOBAR heavy duty cold room and freezer sliding doors have no thermal bridge. The doors are 60-100 or 140mm thick and slide silently on an ALU 125 or ALU 250 rail. Door frames are available in PVC, ALU or stainless steel according to choice. Automatic versions and many other options are available.

Industrial cold room and freezer sliding doors

Type IPE - INE

The IPE - INE industrial heavy duty sliding doors are ideal for use in the food industry. They are manufactured with a stainless steel framed door core of 80mm (t°+) or 140mm (t°-).

The rail is made from hygienic stainless steel tube rail.

Combined with a stainless steel C-frame and a stainless steel door trim, these are the best-in-class doors on the market.

Automatic versions and many other options are available.

PRODUCT BENEFITS

- High quality and aesthetics door range
- Fast and easy installation
- Excellent thermal properties
- Wide choice of door frames, coatings and options
- Choice of a large number of CLEANsafe coatings



SERVICE DOORS



The **isomasters** range of service doors is a completely innovative and very extensive range of lightweight insulated hinged and sliding doors, swing doors and synthetic doors.

These doors offer the ideal solution for closing rooms with small temperature differences in the food industry, production zones, laboratories, offices, shops, supermarkets, etc.

There is a very wide range of finishing options for frames and doors, dimensions and options.

Hinged service doors

Type BEE - BED

isomasters hinged service doors are produced with 40mm thick insulation foam and can be installed both inside and outside. In addition to the standard door fittings in stainless steel, there is a very wide range of various types of door frames, colours, dimensions and options. This type of door is ideal between production areas and production offices, storage areas, offices and as a Cleanroom version.

Polyethylene swing doors

Type PEE - PED

Polyethylene swing doors of the type PEE - PED consist of a door of 15mm HD polyethylene and a flush window in polycarbonate. Comes standard with 2x90° blocking synthetic hinges, and optional with stainless steel hinges or stainless steel tube hinges.

Insulated swing doors

Type VVE - VVD

The VVE - VVD insulated swing doors are ideal for supermarkets, retail shops, restaurants and cafés. They form a visual, thermal and acoustic division.

These swing doors are guaranteed easy to install and maintain, and also meet the high requirements and specifications of the food industry.

Crystal-Clear swing doors

Type CEE - CCD

isomasters Crystal-Clear swing doors are made in clear synthetic material of 15mm thick and offer a fantastic panoramic view. These swing doors with a stainless steel frame and 2x90° blocking stainless steel hinges have a beautiful design and are the absolute best. Integrated window in polycarbonate. Also available with protective strips at the bottom of the door.

Lightweight insulated sliding service doors

Type BSE - BSD

isomasters sliding service doors are non-hermetically closing doors manufactured with a PU door core of 40mm thick. Due to the anodised aluminium rail the door opens and closes easily and silently. BSE - BSD sliding service doors are durable, easy to use and meet the rigorous demands of the food processing industry. Automatic versions and many other options are available.

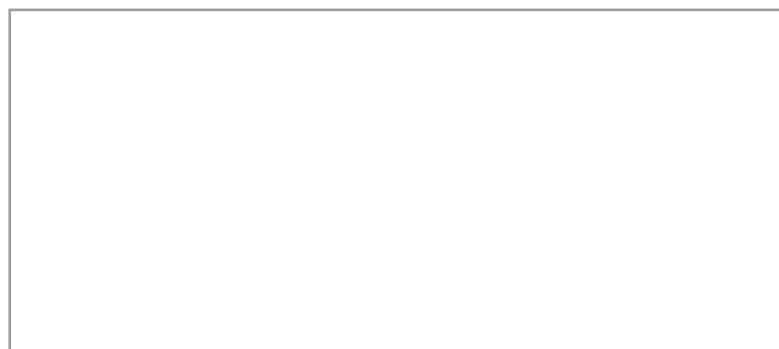
Windows and synthetic doors

Type KDE - KRE - KRD - CLR

For special applications in the food industry, **isomasters** has an extensive range of synthetic windows and doors, with super-insulating foilglazed windows in accordance with the standards for food safety. For the pharmaceutical sector, labs and Cleanrooms there are CLR windows with clear and flush-mounted glazing.

PRODUCT BENEFITS

- Excellent hygienic solution for the food industry
- High quality and aesthetic door range
- Wide choice of door frames, coatings and options
- Fast and easy installation
- Choice of a large number of CLEANsafe coatings



Care has been taken to ensure that the contents of this publication is accurate. However **isomasters** does not accept responsibility for errors or information that is found to be misleading. Suggestions for, or descriptions of, the end use or application of products or methods of working are for information only and **isomasters** accepts no liability in respect thereof. We reserve the right to modify specifications.

Ref. number: PRD.SL-2018.01-EN

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