



Product selector

isocab

By Kingspan

Welcome to Isocab

Isocab has more than 40 years of success in the insulated sandwich panel industry. We are renowned for our quality, innovation, reliability and customer service.

The Isocab range consists of Clean Rooms, Modular Cold Rooms and Insulated Panel Systems, as well as a large choice of doors and accessories.



Why Isocab?

FIRE AND THERMAL PERFORMANCE

Isocab is leading the industry with regards to reaction to fire and fire resistance, in particular with Insulated Panel Systems. The topic of fire performance is very important across the construction sector and therefore we have focused our product development over a number of years on the fire performance of our whole range. We consider the further development of our products in this area to be a priority.

Isocab works closely with official organisations in the various markets, as well as with fire insurers, in order to ensure the highest possible standard is achieved.

The IND and Decaroc panels have already been subjected to a range of extensive fire performance tests. They are certified to FM Global standard. The Decaroc product is the only product in the French market to be insured in negative temperatures up to -25°C, with a fire resistance up to EI180 in partition wall and ceiling applications.

The IND panel, with a PIR insulation core, is B-s1,d0 from 60mm, EI30 in 100mm with seams and 120mm without seams and EI60 in a thickness of 200mm.

TECHNICAL SERVICE

At Isocab our customers are a primary focus; 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 Isocab products, including Building Regulations, certification held by Isocab and the design assistance that we can offer to our customers.





CUSTOMER SERVICE

Isocab is proud of its record in customer care. We have built our success on responding quickly and precisely to our customers and proactively working with them to anticipate needs. The heart of this operation is our dedicated and highly-qualified customer service team.

The customer service team is always available for all customer order queries and is focused on providing a rapid response.

QUALITY ASSURANCE

Isocab is focused on delivering the best quality products. We are proud to have production facilities which are certified to ISO 9001, 14001 and 18001.

ABOUT ISOCAB

Isocab has more than 40 years of success in the insulated sandwich panel industry. The brand is renowned for its quality, innovation, reliability and customer service. Founded in 1973, the company has been part of the Kingspan Group since 2012. Isocab manufactures modular cold stores and freezers for the food and retail industries, including meat, fish, dairy, and vegetable processing plants, restaurants, supermarkets and storage facilities.

Today, with 3 production sites in Belgium and France, and an annual turnover of over €100 million, Isocab is one of the biggest manufacturers of controlled environment systems. Isocab's comprehensive product range includes clean rooms, modular cold rooms and insulated panel systems, as well as a range of doors and accessories to suit every application. Since its creation, Isocab is dedicated to serving its customers with products that satisfy the highest level of specifications, and which achieve all major international industry certification standards.

Isocab has built its success on precise and timely response to customer needs, thanks to its dedicated and qualified personnel. Isocab delivers full turn-key service, from the design stage through to after sales care, in its core European markets, as well as in many export destinations around the world.

ISO 9001
BUREAU VERITAS
Certification



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Clean Rooms



Because of the need to remove dust particles and other contaminants from the air, both visible and invisible, the construction of a Clean Room must fulfil the most stringent requirements. The combination of regulations, guidelines, legislation and structural requirements makes this a complex process.

Within this fascinating world, Isocab offers a wide range of wall and ceiling panels, door solutions, accessories and finishes that together provide a high-quality solution tailored to the project at hand.

Even in the area of lighting solutions Isocab offers a range of light fittings (incl. LED) to complete a comprehensive offer.

Retan CR8 Wall

The Retan CR8 Wall panel is one of two flush systems available, and can be disassembled, allowing for the ultimate flexibility.

This panel also benefits from the unique cam-lock system, and integrated tubing for electric cables, ensuring a quick and easy installation.

Retan CRA8 Wall

The Retan CRA8 Wall panel is one of two flush systems available in the Isocab Clean Room Wall range. This system is installed using a simple clip profile joint junction between the panels. Integrated tubing for electric cables is also a possibility with this system.

Retan Pharmalight PL Wall

Retan Pharmalight PL Wall is a semi flush panel system which is available with a PIR or mineral wool insulation core, providing a solution for every application.

The Retan Pharmalight PL Wall panel system is suitable for new projects and refurbishments of all kind.

Retan CRA8 Ceiling

The Retan CRA8 Ceiling panel is one of two flush systems available in the Isocab Clean Room ceiling range. This system is installed using a simple clip profile joint junction. With the 'non-visible' ceiling suspension, the end user is sure to have a neat look and finish.

Retan ISO8 Ceiling

The Retan ISO8 Ceiling panel is one of two flush systems available in the Isocab Clean Room ceiling range. This panel also benefits from the unique camlock system, ensuring a quick and easy installation. With the 'invisible' ceiling suspension, the end user is sure to have a neat look and finish.

Retan Pharmalight PL Ceiling

Retan Pharmalight PL Ceiling is a semi flush panel system which is available with a PIR or mineral wool insulation core, providing a solution for every application.

The Retan Pharmalight PL Ceiling panel system is available in large choice of thicknesses: 60, 80, 100 & 120mm.



PRODUCT BENEFITS

- Easily disassembled
- Quick and easy installation
- Self supporting
- Highly developed camlock joint system designed to withstand daily maintenance and regular cleaning; preventing water ingress and minimising potential bacterial growth
- Tubing for electric cabling integrated in each panel
- Excellent thermal properties
- Extensive range of options and accessories
- Wide range of CLEANsafe coatings to choose from

Modular Cold Rooms



The ISO range is a modular building solution for refrigeration and deepfreeze units that are 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 panels are resistant to damp, fungi and bacteria and are suitable for walls and/or ceilings. The Isocab sealing system that ensures a perfect hermetic seal between the panels and a professional installation in accordance with the Isocab regulations will create a conditioned environment.

All of our systems are individually designed and tailored to the space available at the customer's site.

ISO 6/8/10/14

The ISO range is a factory pre-engineered system that provides the optimum level of thermal efficiency and ease of assembly for any modular coldroom application. This system is available either 'off-the-shelf' or as a bespoke solution and comes with a camlock system, providing a flexible and fully supported fast track service to meet project specific requirements.

Minibox

The Minibox solution within the Modular Cold Room range is a factory pre-engineered system designed especially for temperature controlled environments with limited space.



PRODUCT BENEFITS

- Easily dismantled
- Quick and easy installation
- Can be installed from the inside out (on request)
- Highly developed camlock joint system designed to withstand daily maintenance and regular cleaning; preventing water ingress and minimising potential bacterial growth
- Excellent thermal properties
- Extensive range of options and accessories
- Wide range of CLEANsafe coatings to choose from

Insulated Panel Systems



Isocab Insulated Sandwich Panels are designed for applications in environments where temperature control and food safety are important, such as in food processing, chilled and frozen storage and Clean Rooms for the biotechnological and pharmaceutical industries.

The panels are used both on interior and exterior walls and on ceilings and roofs (with extra watertight roof membrane). They can be fitted both vertically and horizontally, are fast and easy to fit and attached transversely or invisibly from the inside using omega profiles.



IND



The IND panel is one of three systems in the Insulated Panel Systems range. This panel is specifically for use within the food and drink industry, such as food manufacturing and temperature controlled storage. With a range of thicknesses from 40 to 220mm to choose from, maintaining a controlled environment has never been easier. A flat roof application is possible with use of a PVC membrane.

	Thickness mm	40	60	80	100	120	140	170	200	220
IND (Ribbed profile)	Wall $U_{n,s}$ (W/m ² .K)	0.480	0.325	0.245	0.197	0.165	0.141	0.117	0.099	0.090
IND (No profile)	Wall $U_{n,s}$ (W/m ² .K)	0.472	0.321	0.245	0.195	0.163	0.140	0.116	0.099	0.090
IND (All profiles)	Weight (40kg/m ³ without tolerance)	9.920	10.720	11.520	12.320	13.120	13.920	15.100	16.320	17.120

Please note the Lambda value is 0.020 W/m.K according to our CE labeling.

Decaroc



Decaroc is a panel specifically for use within the food and drink industry, such as food manufacturing and temperature controlled storage. Decaroc is the perfect choice as a fire wall solution given its exceptional proven fire performance.

Decaroc Acoustic

The Decaroc Acoustic panel is specifically used for buildings requiring specialised acoustic solutions. Decaroc Acoustic is ideal for noise reduction in theatres, cinemas, exhibition halls and any other building application with specific acoustic needs.

	Thickness mm	60	80	100	120	150	170	200	240	300
Decaroc 50C $\lambda = 0.041$ W/m.K	Wall $U_{n,s}$ (W/m ² .K)	0.622	0.477	0.387	0.326	0.263	0.233	0.199	0.167	0.134
	Weight (0,6*0,5mm skins) (kg/m ²)	14.93	16.83	18.73	20.63	23.48	25.38	28.23	32.03	37.63
Decaroc 50F $\lambda = 0.044$ W/m.K	Wall $U_{n,s}$ (W/m ² .K)	0.663	0.509	0.414	0.348	0.281	0.249	0.213	0.179	0.144
	Weight (0,6*0,5mm skins) (kg/m ²)	16.43	18.83	21.23	23.63	27.23	29.63	33.23	38.03	45.23

Fire Resistance

50F mineral wool insulation, partition and exterior wall application:

- EI 60: 80mm or greater horizontal & vertical installation up to 4m span
- EI 90: 100mm horizontal & vertical installation up to 4m span (stitching screw obligatory every 300mm in the joint on both sides of the panel)
- EI 120: 120mm or greater vertical installation up to 4m span. Horizontal installation up to 6m
- EI 180: 300mm vertical & horizontal installation up to 4m span

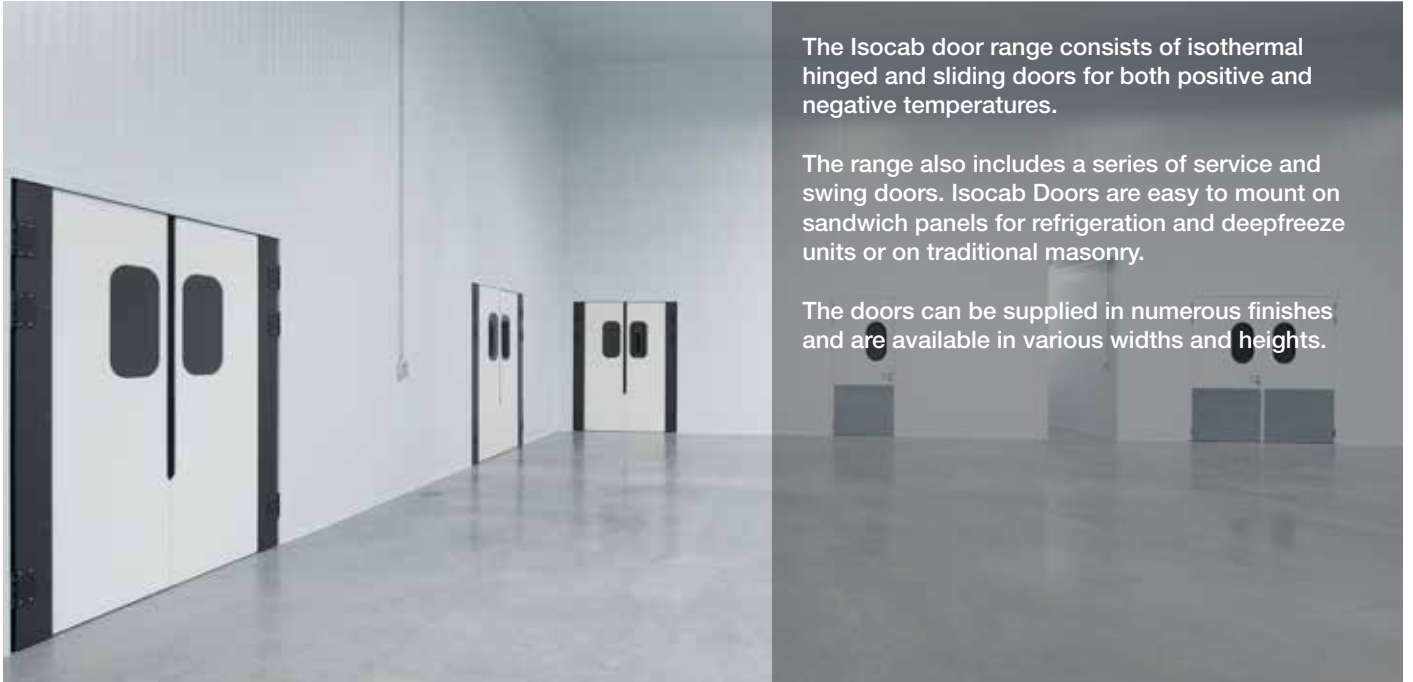
50F mineral wool insulation, ceiling application:

- EI 120: 120mm up to 5.40m span (stitching every 300mm in the joint on the opposing side of the fire)
- EI 180: 120mm up to 4.4m span (stitching every 300mm in the joint on the opposing side of the fire)
- EI 180: 300mm up to 2.5m span. Maximum panel length 5m (stitching every 300mm in the joint on the opposing side of the fire)

PRODUCT BENEFITS

- Quick and easy installation
- Highly developed joint system designed to withstand daily maintenance and regular cleaning; preventing water ingress and minimising potential bacterial growth
- Exceptional thermal properties
- Excellent span results
- Wide range of CLEANsafe coatings to choose from

Door range



The Isocab door range consists of isothermal hinged and sliding doors for both positive and negative temperatures.

The range also includes a series of service and swing doors. Isocab Doors are easy to mount on sandwich panels for refrigeration and deepfreeze units or on traditional masonry.

The doors can be supplied in numerous finishes and are available in various widths and heights.

Insulated Swing Door Type F

The Isocab insulated swing door is ideal for use in supermarkets, retail establishments, restaurants and food service operations providing a visual and thermal separation as well as creating a sound barrier. The swing door is easy to install and maintain and meets the high requirements and specifications of the food processing industry.

Heavy Sliding Door Type A

The Heavy Sliding Door Type A is produced completely cold-bridge free. The doors are available with an automatic version, a safety lock and many other options. The Isocab manual sliding system is used for the Heavy Sliding door Type A. The doors are available with an automatic version, a safety lock and many other options.

Heavy Sliding Door Type E

The Heavy Sliding Door Type E is produced completely cold-bridge free. The Heavy Sliding Door Type E is a manual sliding door produced with door leaf cores of 60mm (t⁺) or 100mm (t⁻). The doors are available with automatic version (Type L Door) and safety lock and many other options. A Isocab Heavy Sliding Door Type E is suitable for high quality cold storage solutions.

Hinged Cold Room Door Type D

The Isocab hinged cold room door is a semi-rebate door, using the latest technology, premium materials and innovative design features to provide maximum thermal control for freezer and cold rooms.

Hinged Service Door Type B

The Isocab hinged service door contains a 40mm PUR foam core and is suitable for both interior and exterior applications.

Heavy Sliding Door Type R

The Heavy Sliding Door Type R is produced completely cold-bridge free. The doors are available with an automatic version, a safety lock and many other options. The door leaf is manufactured from prefabricated stainless steel ISO panels.

Light Sliding Door Type Y

The Light Sliding Door Type Y is produced completely cold-bridge free. It is a manual sliding door produced with door leaf cores of 60mm (t⁺) or 100mm (t⁻). The doors are available with automatic version and safety lock and many other options. A Isocab Light Sliding Door Type Y is suitable for high quality cold storage solutions.

Polyethelene Swing Door Type N

The Isocab polyethylene swing door consists of a polyethylene door leaf and a flat polycarbonate window. With the polycarbonate window as standard, the Polyethylene Swing Door is an excellent choice for supermarkets, retail establishments and restaurants.

Heavy Sliding Door Type X & I

The Sliding Heavy Door Type X&I is produced completely cold-bridge free. The doors are available with an automatic version, a safety lock and many other options. The opening of the door is easy and quiet. This is achieved thanks to two PVC wheels running on a polished stainless steel tube rail. The stainless steel rail system is functional and attractive, and provides excellent protection against corrosion. Other options are available including an automatic version and a version with a partial opening lock.

Service Sliding Door Type S

The Isocab Service Sliding Door Type S is produced with a door leaf core of 40mm injected PU foam and finished on both sides with a lacquered steel plate in CLEANsafe 25. The sliding of the door on an anodized aluminium track is both easy and silent. The Service Sliding Door Type S is durable, easy to use and meets the high requirements in the food processing industry. An automatic version is also available.

PRODUCT BENEFITS

- Quick and easy installation
- Excellent thermal properties
- Extensive range of options
- Wide range of CLEANsafe coatings to choose from



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