



ECO DOOR S

Hinged single glass doors for refrigerated wall multidecks

- Optimum transparency in single glass doors
- Frameless door construction for optimum product presentation and visibility
- Even chilling ensures temperature safety for product
- Energy saving up to 60%
- Easy handling and access for customers and staff
- Optional screwed handle or finger hole
- System suitable for OEM assembly as well as for remodeling and retrofit of refrigerated cases of major manufacturers



Maximum transparency – for optimal overview

PAN-DUR stands for development, manufacturing and sales of innovative systems for intelligent energy use.

Since 1986 PAN-DUR offers technical know-how, engineering competence and attractive design – underlined by numerous national and international patents.

We set standards!

Frameless all-glass door systems, an innovation of PAN-DUR, are well established in the market and have received excellent customer feedback over the years.

First-class product presentation

PAN-DUR frameless all-glass door systems offer unique transparency and the best overview of products for customers.

We offer customised modular solutions for OEM, retrofit or remodeling with maximum flexibility and complete freedom in planning for your individual projects.

Constant temperature for product safety and the best food quality

Installation of PAN-DUR glass door systems enables constant cooling temperatures and supports temperature safety requirements to ensure the highest product quality.

PAN-DUR glass door systems are in conformity with national and international standards such as German Food Hygiene Regulation (LMHV) and international HACCP Regulation.





Energy saving – our contribution to climate protection

Active environmental awareness – image improvement

The ecological awareness is increasing steadily and is becoming an ever present key topic. All solutions supporting the environment are well accepted and honoured by loyalty and good customer relations.

With PAN-DUR ECO DOOR S glass door systems you can considerably decrease emission of greenhouse gases. We actively support climate protection – global warming has to be reduced.

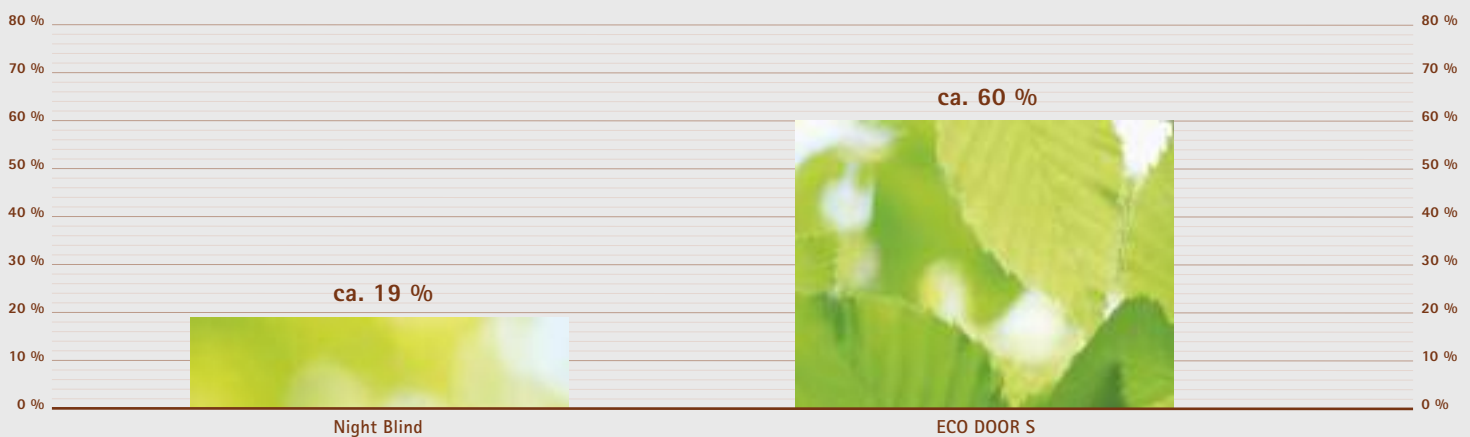
A cost efficient investment – in all respects

Installation of ECO DOOR S door systems enables reduction of energy consumption up to 60%.

ECO DOOR S systems by PAN-DUR do not require additional heating elements neither in the glass doors nor in any structural parts.

Your investment will have a short payback period.

Energy saving potential when installing PAN-DUR ECO DOOR S systems – benchmark: open multideck, supermarket conditions





screwed handles

Complete solutions – easy and distinct

Long-term flexibility and safety

- **Durability**
The combination of safety glass and plastic components results in outstanding form stability and premium flexibility. Glass is 6 mm thick with one low-e coating on the inside and tempered according to DIN EN 12150-2:2004.
- **Hinges are screwed** (not glued)
Top-quality materials contribute to the modern general impression.
- **Lever protection, a special mechanism developed by PAN-DUR**, secures the doors against unintended removal.

lever protection



- **High quality processing** in conjunction with an attractive, solid design ensures long-term use of our glass door systems in a demanding supermarket environment.
- **Door hold open function – no mechanical locking necessary!**
PAN-DUR developed a "hands-free" access in order to ensure an effective and ergonomic loading. Both your staff and customers can benefit from this practical function.

Modular and individual

- **Modular concept of the ECO DOOR S glass door system** enables at the same time minimum of components and maximum flexibility for project planning. Our frameless all-glass door system is customised to each case model. ECO DOOR S integrates completely into the image of your store.
- **Handle options**
hole in glass or screwed handle
- **Price display**
Lower system interface is designed to carry a price display rail.

closing mechanism and door hold open function integrated in lower hinge





Feathery

- **Robust and springless self-closing mechanism** ensures a soft and easy self-closing of the doors. With this maintenance-free mechanism, PAN-DUR sets standards on the market.
- **Individually adjustable magnet and a damper** close the door easily and lightly, hold the door in a defined closing position and enable fine adjustment of the opening and retention force.

OEM, remodeling or retrofit

PAN-DUR frameless all-glass door systems can be easily assembled to almost any case. Furthermore, interfacing parts are engineered individually to ensure a full and harmonic integration into the case.

Frameless in two aspects

Not only glass doors are frameless, but also interfacing of the doors to the case is frameless. PAN-DUR frameless all-glass doors are attached to lower and upper interface elements.

screwed handles



individually adjustable magnets



door buffer for smoothly closing





ECO DOOR S – maximum transparency

Customers perceive our energy saving systems as a protection which guarantees product quality and in no way as an obstacle.

PAN-DUR ECO DOOR S turning glass door systems

		value (radiation from outside)		
		heat transfer coefficient (W/m ² K)	light transmission (%)	light reflection (%)
ECO DOOR S single glass doors with one low-e coating	cold side 6 mm tempered float glass 1 low-e coating	3,7	81	10
	warm side			

