



ECO DOOR SL

The new insulated sliding-glass door for multidecks

- Frameless door construction for maximum transparency
- Optimum running characteristics by roller bearings
- Easy handling and access for customers and staff
- Door hold open function enables a "hands-free" access
- Modular concept for easy retrofit
- One system for insulated glass and single glass
- Intelligent lighting options – T5/LED



self closing

The Plus with sliding function – Your advantage

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!

PAN-DUR frameless Sliding doors are newly developed innovative systems for robust use in supermarkets.

First-class product presentation

The frameless Sliding door system from PAN-DUR enables the best product presentation and the optimum of visibility for your customers.

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

The new design offers a maximum of aperture.

Temperature stability for best food quality

The PAN-DUR Sliding door systems enable constant cooling temperatures and supports temperature safety requirements to ensure the highest product quality.

PAN-DUR sliding doors 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

- No frame construction, neither on glass doors, nor on the interface to the case
- No additional heating wires required
- No thermal bridges

ECO DOOR SL sliding doors do not require additional heating elements neither in the glass doors nor in any structural parts.

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.

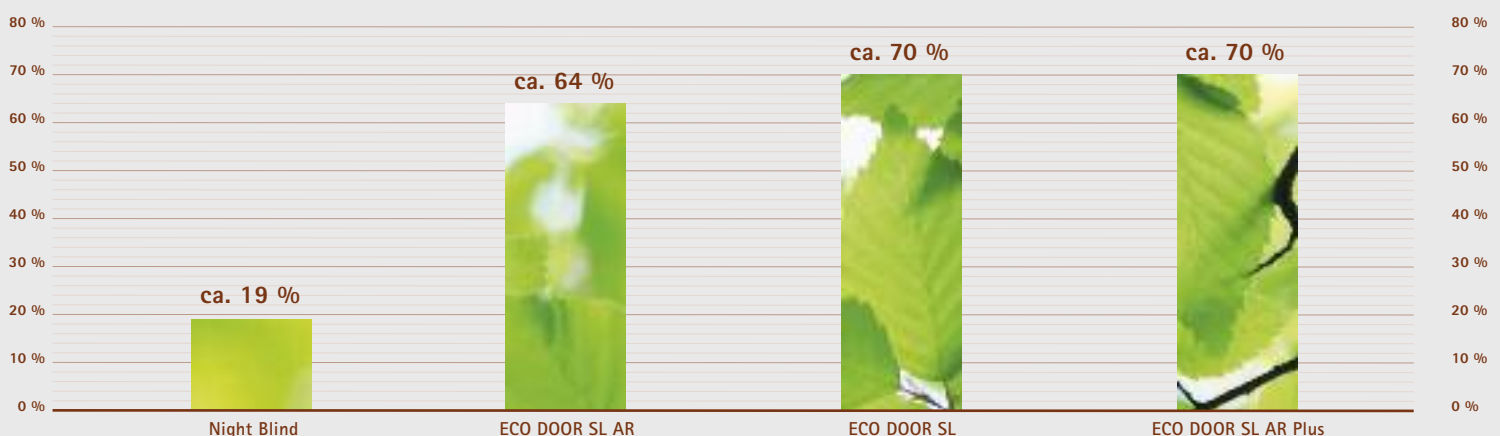
PAN-DUR ECO DOOR SL systems are reducing the emissions of greenhouse gases significantly.

A cost efficient investment – in all respects

We protect the environment and simultaneously energy consumption can be reduced up to 70 % with PAN-DUR ECO DOOR SL glass sliding doors.

Your investment will pay off in a short time

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





Module-Solutions – easy and distinct

Flexible and safe

- **Durability**

The combination of safety glass and plastic components results in outstanding form stability and premium flexibility. Both panes of the double glazing are tempered according to DIN EN 12150-2:2004.

- **The new developed handle from PAN-DUR**, enables a maximum opening window.

- **High quality processing in conjunction with an attractive, solid design** ensures long-term use of our sliding glass door system in a demanding supermarket environment.

- **Automatic door hold open function – no locking** 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.





Self closing and low maintenance

- Innovative and low maintenance construction, no ropes, no balance weights and external locking devices.
- The self closing mechanism enables a smooth running closure of the sliding door. With this mechanism PAN-DUR sets standards on the market.

Modular and individual

Modular concept of ECO DOOR SL sliding doors enables at the same time minimum of assembly effort and maximum flexibility for project planning.

The frameless construction is customized and adapted to each case model. The glass doors integrate completely into the image of your store.

No sales barrier

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





Smart and modular – flexibility in detail

OEM, remodelling or retrofit

The frameless ECO DOOR SL sliding glassdoor-systems can be easily assembled to almost any cabinet. Furthermore, interfacing parts are engineered individually to ensure a full and harmonic integration into the case.

The first –class design and high quality processing guarantee durability of ECO DOOR SL systems.

Frameless in two aspects

Not only sliding glass doors are frameless, but also interfacing of the doors to the cases is frameless.

The frameless sliding door elements are offering a static high load capacity with a delicate height setting of the support and integrated lighting. (T5 or LED).

The innovative construction is designed for insulated glass in general, as a special request – single glass – is possible.

Compact and well-conceived

- The running characteristic of ECO DOOR SL sliding doors is based on a roller bearing concept.
- **Price display**
Lower system interface is designed to carry a price display rail.
- As an additional feature cleaning is very simple by inclining the doors.

price rail



cleaning position





Optimal illumination invites customer to buy

T5 lighting, vertical and horizontal

Depending on products displayed within the case different light colours can be chosen.

Protection tube

A transparent and easy to clean polycarbonate tube protects the T5 light against damage, humidity and dust.

Our plug-in lighting module can be easily integrated into the glass door system.

LED lighting, vertical and horizontal

For dairy products we offer light colour Neutralwhite (4200 °K) and for meat products reddish light colour Coolmeat.

We apply a special lens optic rail in front of LED lights and enable in this way homogeneous illumination and optimal presentation of the products.

LED lighting modules are available in any length and are perfectly integrated into the vertical mullions. This ensures maximum distance to the shelves and thus optimal illumination.

LED lighting systems are also plug-in like T5 lighting and can be easily integrated into the glass door system.

Thermo management – how to do!



LED process heat is conducted from the cold to the warm side of the case.

cover plates with support function





Different versions – to match your requirements

PAN-DUR ECO DOOR SL glass door systems are available in three different versions:		value (radiation from outside)		
		heat transfer coefficient (W/m ² K)	light transmission (%)	light reflection (%)
ECO DOOR SL double glass door with one low-e coating	<p>cold side</p> <p>4 mm tempered float glass 1 low-e coating</p>  <p>warm side</p> <p>4 mm tempered float glass</p>	1,5	80	14
ECO DOOR SL AR double glass door with four anti-reflective coatings	<p>cold side</p> <p>4 mm tempered float glass 2 anti-reflective coatings</p>  <p>warm side</p> <p>4 mm tempered float glass 2 anti-reflective coatings</p>	2,8	95	1
ECO DOOR SL AR Plus double glass door with one low-e coating and three anti-reflective coatings	<p>cold side</p> <p>4 mm tempered float glass 1 low-e coating 2 anti-reflective coatings</p>  <p>warm side</p> <p>4 mm tempered float glass 2 anti-reflective coatings</p>	1,5	90	2

