

SCHOTT
glass made of ideas



ECO-Clear

SCHOTT Termofrost[®]
ECO-Clear

Energy-free glass door for freezer systems

SCHOTT is a leading international technology group in the areas of specialty glass and glass-ceramics. With more than 130 years of outstanding development, materials and technology expertise we offer a broad portfolio of high-quality products and intelligent solutions that contribute to our customers' success.

The SCHOTT Termofrost brand also has more than 40 years of expertise in the area of commercial refrigeration. Our comprehensive knowledge of glass is accompanied by specialized expertise in cooling on a wide range of attractive glass cover systems and enables us to achieve continuous improvements. Energy savings, food quality and attractive food presentation are our objectives when it comes to launching market-driven innovations.



SCHOTT Termofrost® ECO-Clear

Zero-energy doors for eco-friendly cabinets

SCHOTT Termofrost® ECO-Clear doors are specifically designed for presenting products in freezer cabinets in food retail stores. These doors are unheated and therefore consume no energy. The glass pane facing the freezer is equipped with an anti-fog film for clear presentation of your products.

The product is available in two different versions:

- SCHOTT Termofrost® ECO-Clear AGD
- SCHOTT Termofrost® ECO-Clear X

SCHOTT Termofrost® ECO-Clear AGD
All-glass doors from SCHOTT Termofrost® ECO-Clear feature slim edge protection, offer a clear view of the products stored and come in a modern all-glass design.

SCHOTT Termofrost® ECO-Clear X
SCHOTT Termofrost® ECO-Clear X doors are designed with aluminum rails that are known for their durability.



Energy Saving Solutions

Each SCHOTT Termofrost® product aims to improve the eco-friendly characteristics of cooling units for the food retail industry.

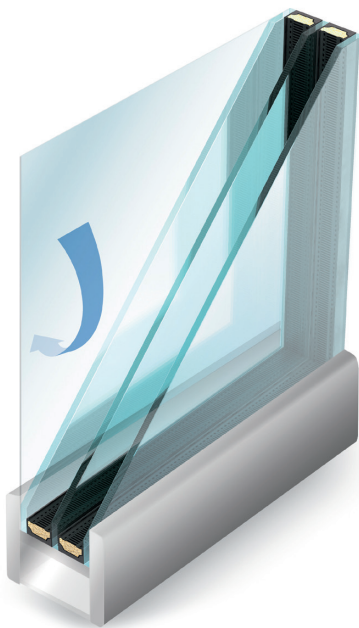


SCHOTT grip



Integrated handle

Benefits of SCHOTT Termofrost® ECO-Clear



The glass doors are made of a triple glazed insulated glass unit

- The front and rear panes are made of tempered safety glass
- The rear pane is equipped with a transparent, laminated anti-fog film
- Two low-e glass panels for optimum thermal performance
- The space between the panels is filled with an inert gas for improved thermal performance

Our doors help you to lower your energy costs because no electricity is needed to heat the door. At the same time, the triple glazing of SCHOTT Termofrost® ECO-Clear offers outstanding insulation that reduces heat transfer from the warm to the cold side. This effect also supports compliance with regulatory requirements for food storage.

- No energy needed to heat the door
- The high-performance triple glazing unit offers high thermal insulation and energy savings of 100% compared to a heated, full size door
- Higher food safety in case of a power outage or cabinet failure; freezer cabinets stay cold longer due to 60–70% lower heat transfer into the cabinet
- Anti-fog film for clear presentation of your products
- Easy to install – no wiring needed for OEM installation
- Easy retrofit in existing SCHOTT Termofrost® frame systems

Benefits of SCHOTT Termofrost® ECO-Clear AGD

- Modern, all-glass door design

Benefits of SCHOTT Termofrost® ECO-Clear X

- Aluminum design with an aluminum rail
- Reversible door



Doors can be used for left or right side mounting.

Key features of the system

Characteristics of SCHOTT Termofrost® ECO-Clear

- Hold open system for easy loading
- No door heater
- A hold open function keeps the door open at an angle of 92°, for safer and easier refilling of products
- Easy assembly for retrofitting projects
- Compatible with all SCHOTT freezer cabinet frames

The system is available in both standard and customised sizes and configurations. Details on the standard sizes available for cabinets and cold rooms can be found in the respective datasheet.

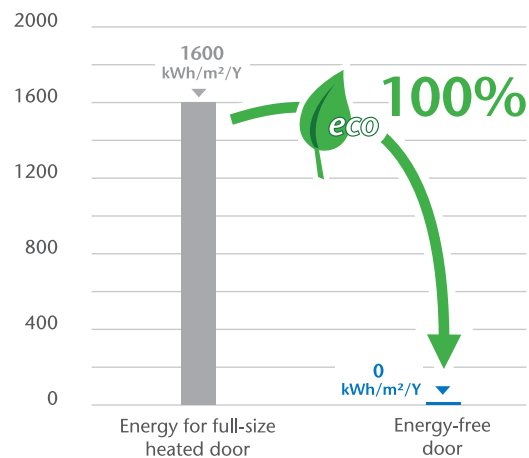
Different handle options are available:

For ECO-Clear X

- Integrated
- SCHOTT grip
- Short alu

For ECO-Clear AGD

- Integrated
- Short alu



Energy savings with SCHOTT Termofrost® ECO-Clear

This systems allows you to eliminate energy costs as no electricity is needed for heating the door.

The energy you save will depend on the climate inside your store and the efficiency of your cooling system. These figures apply for a typical situation.



SCHOTT Termofrost® ECO-Clear AGD



SCHOTT Termofrost® ECO-Clear X



SCHOTT Termofrost® ECO-Clear is equipped with an anti-fog coating to reduce visible condensation.

Quality and installation

Quality for a long service life

As with all SCHOTT Termofrost® product lines, a great deal of importance is placed on using high-quality materials and offering an attractive product design. The door systems are known for how little maintenance they require and their long service lives.

Installation service

We would be happy to help you with installation and offer training programs to ensure efficient and successful installation of your doors. Furthermore, our ready-to-install kit guarantees fast installation. An installation manual is even provided with each shipment for your convenience.

Application area

- Installation in new cooling cabinets
- Retrofitting projects
- Installation in cold room



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