

**SCHOTT**  
glass made of ideas

**SCHOTT Termofrost®  
AGD 3**

All-glass door system  
for plus cooling



**AGD 3**

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 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® AGD 3

All-glass doors provide high transparency for a large display area

SCHOTT Termofrost® AGD 3 is an energy-free glass door system designed for the presentation of dairy products, fresh meat or beverages in refrigerated cabinets in food retail stores.

The system is known for its attractive appearance due to its all-glass design and stability. The SCHOTT Termofrost® all-glass door system offers visibility similar to open cabinets and enables a clear view of the products inside the refrigerated cabinet. The door is designed with a slim vertical edge protection that provides full visibility to stored food. On the lower and upper door edges sleek profiles ensure inherent rigidity of the door system. The system requires minimal installation time as it consists of doors and frames that are delivered ready for installation.

Compared to open multi-deck cabinets, a cabinet covered by a SCHOTT Termofrost® AGD 3 system results in energy savings of up to 65%.

In addition, the installation of glass doors in a refrigerated cabinet facilitates compliance with legal requirements for food. The temperatures often vary in open refrigerated cabinets to a much greater extent than in closed cabinets. A lower fluctuation of temperatures reduces the energy required for cooling the displayed products and ultimately helps maintain the required cooling chain.



### Energy Saving Solutions

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



Extra wide display area



Upper and lower profile in light grey

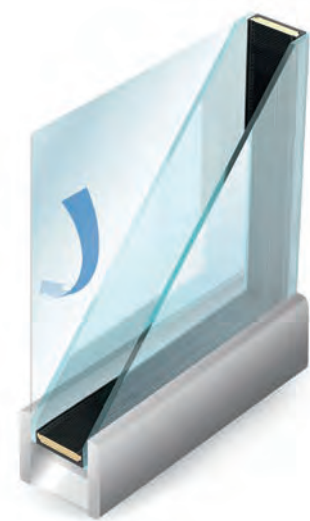
## Benefits of SCHOTT Termofrost® AGD 3

- Offers a clear and wide view to the inside of cabinets for optimizing the presentation of merchandise
- Ideally suited for typical climate conditions in retail stores
- High stability of the glass doors
- The system is easy to install in most multi-deck cooler cabinets
- Energy savings of up to 65 % compared with open multi-deck cabinets
- More comfortable store climate in the retail environment

The glass doors consist of a double glazed, insulated glass unit:

- The front panel is tempered and screen printed
- The back panel is tempered using low emissivity glass for reduced heat transfer from the warm to the cold side
- The space between the panels is filled with an inert gas to optimize thermal performance

The system is available in both standard and custom sizes and configurations. Details on standard sizes for cabinets and cold rooms are included in the respective data sheets.



For good thermal performance the door consists of low-emissivity glass and is filled with inert gas.



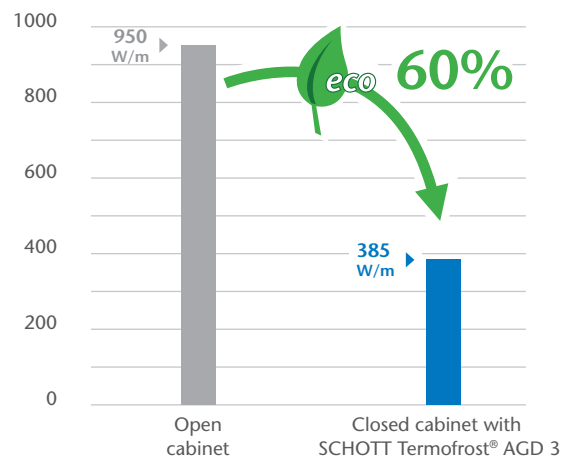
Slim edge protection protects the glass and increases visibility



A door stop function regulates door opening

## Key Features of the System

- The modules generally consist of one frame and two doors. In a two-door module, the doors are hinged as paired doors; three-door modules are also available upon request
- The frame is delivered assembled and ready for an easy and fast installation
- There is no heating necessary for avoiding condensation
- Several handle options are available
- The system is also equipped with a gravity-closing mechanism for safe and smooth door closing movements
- A hold-open function keeps the door opened, for safer and easier refilling of products



### Energy savings with SCHOTT Termofrost® AGD 3

The energy savings are dependent on the climate inside the store, the efficiency of the cooling system and how often the doors are opened. The chart above is indicative of a typical situation.





Several LED lighting options



Fluorescent tube lighting

## Options

### SCHOTT CONTURAN®

Our special anti-reflective glass CONTURAN® reduces reflections down to a minimum in order to provide customers with a clear view of the goods and enhance the appearance of the store.

### Fluorescent tubes and LED lighting

SCHOTT Termofrost® AGD 3 can be enhanced by excellent illumination. We provide fluorescent tubes and LED lighting systems that can be mounted onto the frame.

- Fluorescent T5 tubes  
The fluorescent tubes represent an ideal solution for illuminating the shelves of refrigerated cabinets.
- LED lighting  
LED light sources are increasingly being used in food displays due to the fact that LEDs have a lower energy consumption, come in a wide variety of color temperatures and have extra-long lifecycles. Furthermore, LEDs emit less heat and consume considerably less energy than fluorescent tubes and therefore represent an energy-efficient technology for a positive energy balance. There are several LED lighting options available for installation in a SCHOTT Termofrost® AGD 3 system.

### Retrofitting

Many adapters for the assembly of SCHOTT Termofrost® AGD 3 in installed chiller cabinets support retrofit projects.

### Colors

The visible frame and door profiles of SCHOTT Termofrost® AGD 3 are available in two colors:

- light grey RAL 7035
- graphite grey RAL 7024



Magnetic and compression sealings reduce air exchange with the shop environment

## Quality and Installation

### Quality for a long service life

Great importance is placed on using high-quality materials and providing an attractive product design for all SCHOTT Termofrost® product lines. Our door systems are known for how little maintenance they require and their long service lives.

### Installation service

We would be pleased to help you with your project, whether it's a retrofitting project or the installation of new cabinets. For retrofit projects, especially, we offer a wide range of adapters to facilitate easy and safe installation of new door systems.

We also assist installers by offering training programs to ensure efficient and successful installation of our door systems. Our ready-to-install kit also guarantees quick installation. An installation manual is included in each shipment for your convenience.

#### Application areas

- Installation in new refrigerated cabinets
- Retrofitting projects