



# *Your retail partner in energy saving measures!*



**ESTEM**  
Energy Saving Technologies and Energy Management

[www.estem.eu](http://www.estem.eu)

*ESTEM is your partner for advice, delivery, installation and monitoring of energy saving systems.*



Estem is a leading company in providing customer friendly cover systems for refrigerators and freezers. Integrated LED lighting is offered as an option. We provide custom solutions for all projects and types of refrigerator and freezer units. Estem offers complete energy saving solutions.

Estem is part of the Bouwman Groep. The Bouwman Groep is a company targeting the international market, specialised in all aspects of cooling technology for over 30 years.

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# ESTEM Vertical Covers Straight Line®

Maximum visibility of products is what clearly distinguishes ESTEM's Straight Line® glass covers for refrigerated vertical wall units from competing products, made possible by the absence of frames and uprights. The special Tempered Low Emission Glass (6mm thick) keeps the heat out and the cold in, allowing you to realise energy savings of up to 50%!



The doors open and close easily because of the special hinges and they remain fully opened when shelves are being restocked. Doors can be left or right hinged. For installing the doors in the refrigerated units, we supply and fit special upper and lower profiles that match the unit's type and make. As a result, existing units simultaneously receive a facelift! When the door closes it is slowed down by a damper,

which also ensures that in closed (zero) position the door lines up perfectly with those to the left and right! The door handle consists of an integrated light grey plastic ring, which cannot accidentally be knocked off by shopping trolleys! As the back of the handle is padded, this will stop finger prints from appearing on the inside of the glass door!



**SAVE  
MORE  
ENERGY**  
up to  
**50%**

# ESTEM Horizontal Covers Keep Cool®

ESTEM also supplies glass covers for freezer islands. For these we use Keep Cool® Behr.

Keep Cool® is the only glass cover available on the market which offers you the opportunity to open all windows at the same time and independently from each other. Always giving you unobstructed access to the entire island.

The system not only provides customer friendly access, but it is very practical for staff when restocking and cleaning the units.

As the energy savings can be between 40 to 50%, the costs will almost always be recovered within two to three years. And if installation should coincide

with the delivery of new freezer units, costs could even be recovered within one year.

In addition to achieving energy savings, the legally required product temperatures of -18°C and +2/4°C are easily achieved. In a freezer unit, this is usually not possible for the top layer of products, due to the heat created by the lighting. A glass cover will ensure a more homogeneous temperature inside the unit and there is no heating of the top layer by the lighting, because special tempered low emission glass is used, which absorbs heat radiation.

## Keep Cool Curve®

The Curve glass is slightly curved, which perfectly matches the new glass-walled islands, but also gives older freezer islands a more modern look.



## Keep Cool® Plane

Plane is a low-cost option, but offers the same benefits as the curved version.





## LED lighting by Estem

*Estem provides specific LED lighting for your refrigerators and freezers.*

LED lighting consumes less than 1/3 of the energy of comparable fluorescent lighting and with the same yield. Additionally, contrary to standard fluorescent lighting, LED lighting produces hardly any heat inside the unit.

LED lighting is available in the colours warm white (3500°K), cool white (4200°K), and daylight (5400°K). Since April 2010, we can also supply the red 'meat' colour!

Because of its very long life (>35,000 burning hours during which at least 70% of the original yield is guaranteed), LED lighting is maintenance friendly.

LED lighting is environmentally friendly and costs can be recovered within 5 years.

Wall and freezer units using LED lighting ensure optimum product presentation in your shop!



