

EKO[®] PRO

The new generation of Low-E glass allowing outstanding energy savings of commercial freezers





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EKO® PRO is a low-E coated glass range made of a clear float glass on which a thin transparent heat reflective coating has been deposited under a proprietary high end technology.

EKO® PRO is an energy-efficient glass specially developed for use as single glazing in cover lids of supermarket horizontal freezers and ice cream cabinets.

Main benefits

- **Energy savings**
- **Reduced condensation risk**
- **High transparency**
- **Neutral appearance**

Applications

EKO® PRO is an energy efficient glass specially developed for use as single glazing in cover lids - coating facing inwards - of supermarket horizontal freezers and ice cream cabinets.

1 Benefits

When installed as a single glazing in a cover lid of a horizontal freezer, EKO® PRO offers a lot of advantages, in comparison with the conventional glass products:

- Up to 25% REDUCTION OF ENERGY consumption of the freezer
- QUICK PAYBACK for the retailer thanks to energy bill savings
- Excellent CONDENSATION RESISTANCE under most climatic classes
- PERFECT VIEW of the goods through the glass
- SAFETY GLASS after tempering
- BENDABLE glass

2 Processing

After cutting and edge working, EKO® PRO needs to be tempered in order to reach its final performances. Bending has been validated, exact geometrical possibilities being dependent on the specific process used. The coating must be faced up during all the process. Assembly in IGU is possible, after edge deletion of the coating. Please contact us for technical support and guidance for use.

Performance

STANDARD VALUES

PROPERTIES	EKO® PRO	Standard
EKO® PRO 4 mm with coating on face # 2		
Thickness	4 mm	EN 572
Normal emissivity	0,03 ($\pm 0,01$)	EN 12898
Visible light transmittance	$\geq 82\%$	EN 410
Visible light reflectance	$\leq 11\%$	EN 410
Appearance	Neutral	-

1. Values for the glass after tempering, provided that it has been tempered according to specific Saint-Gobain instructions.
2. For any inquiry related to the processing of these coatings, please contact our TSM (Technical Support Manager) and refer to the processing guidelines
3. Small variations may occur depending on the production tolerance and the type of instrument used to measure optical properties

Availability

STANDARD THICKNESSES AND DIMENSIONS

Dimensions: 3210 mm x 2000 mm

Thickness: 4 mm

Processing

- EKO® PRO needs to be tempered in order to achieve the declared performance
- Bending has been validated, precise geometric possibilities depending on the furnace type used
- Edge deletion is not needed for single glazing use in cover lids
- Assembly in IGU is possible, after edge deletion of the coating



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