



# SAPPHIRE ANTI-REFLECTIVE LOW-E GLASS FOR COLD STORAGE



Refrigerated cabinets covered with **Sapphire anti-reflective products** are **energy efficient** and make it **easy to see** the products on display.

More than **500 km -**

the distance covered by Sapphire anti-reflective refrigerator doors already in supermarkets



**CHOOSE SAPPHIRE AND START SAVING ENERGY NOW!**



## MAXIMUM PRODUCT VISIBILITY

When presented with two products similar in color, size, and shape, 63% of participants chose the product displayed behind Sapphire anti-reflective glass\*



## INCREASED ENERGY EFFICIENCY

Refrigerator doors can provide for up to 65% energy savings\*\*











## REDUCED CARBON FOOTPRINT

83% of UK consumers want retailers to install doors in open fridges so that the fridges use less energy and are more sustainable\*\*\*

\* RISE institute, 2021 | \*\* University of Boras, 2018 | \*\*\* Aarhus university, 2021 (preliminary results)



## PRODUCT PROPERTIES


	SAPPHIRE AR SOFT LOW-E	SAPPHIRE AR HARD LOW-E	REGULAR GLASS
 Light reflection	<1%	<1%	8.3%
 Light transmission	>90%	>92%	90%
 Thickness	4 mm	4 mm	4 mm
 Maximum size	2250 x 3210 mm	2250 x 3210 mm	N/A
 Scratch resistant	Yes	Yes	N/A
 Temperable	Yes	Yes	Yes
 Bendable	Yes	Yes	Yes
 U-value (single pane)	3.2	3.7	5.8
 U-value (DGU configuration 4/14Ar/4)	1.1	1.5	2.65

### ABOUT GROGLASS

GroGlass specializes in high-performance anti-reflective coatings on glass, acrylic and other substrates. Our double-sided vacuum coating technology guarantees the highest quality product for the most demanding industries.

Our products are manufactured in compliance with ISO 45001, ISO 9001, ISO 50001, ISO 14001, and EN-1096.

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