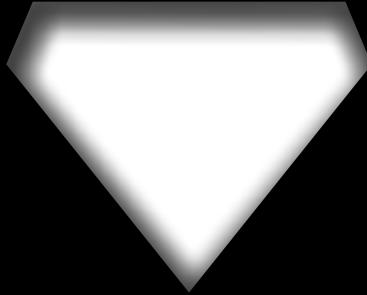




sapphire

COLD STORAGE

# SEE WHAT'S IMPORTANT



## **NO REFLECTION**

Sapphire™ virtually eliminates glare by reducing reflection to as low as 0.5%.

## **IMPROVED TRANSMISSION**

Increases light transmission up to 98% and ensures unobstructed view of items behind the glass.

## **EASY TO ADAPT**

Can be combined with Low-E, Solar control and Heat reflecting coatings to achieve low U-value.

## **VARIOUS PROCESSING POSSIBILITIES**

Sapphire™ coated glass can have the same processing as ordinary glass\* and can be easily made in thermally-toughened (tempered) or bent versions.

## **ABRASION RESISTANT AND EASY TO CLEAN**

Now with a proprietary top coating, Sapphire™ can be easily cleaned with any appropriate cleaner\*. The top coating makes the Sapphire™ product line scratch-resistant for easier processing and use.

## **LONG LIFETIME OF THE COATING**

Durability performance meets ISO standards. Suitable for outdoor use.

\* Please refer to Groglass® Handling Guidelines

# SAPPHIRE™ BY GROGLASS® FOR COLD STORAGE DISPLAYS

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SAPPHIRE™ COATING ON GLASS ELIMINATES UNWANTED REFLECTIONS, RESULTING IN AN UNOBSTRUCTED VIEW OF THE ITEMS BEING DISPLAYED.



## PRODUCT DETAILS

PRODUCT	GLASS SUBSTRATE*	GLASS THICKNESS*, mm	MAXIMUM SIZE, mm	LIGHT TRANSMISSION	LIGHT REFLECTION (PER SIDE)
SAPPHIRE AR CLEAR™	Regular float	2 - 8	2250x3210	~97%	~0.25%
SAPPHIRE AR LOW-E™	Hard Low-E	4, 6	2250x3210	~93%	~0.60%

\* For other glass substrates and thicknesses please contact us at [sales@groglass.com](mailto:sales@groglass.com)

**NEW!**

**NOW, FOR EVEN BETTER U-VALUE, CHOOSE SAPPHIRE AR LOW-E!**

GLASS TYPE	STRUCTURE	LIGHT REFLECTION	LIGHT TRANSMISSION	U-VALUE	POST TEMPERABLE	SCRATCH RESISTANT
Sapphire AR Low-E™ DGU (1 pane with Low-E)		1.1	93	1.7	▽	▽
Sapphire AR Low-E™ DGU (2 panes with Low-E)		1.8	86	1.4	▽	▽

## DURABILITY



Groglass® declares that Sapphire™ products comply with the essential requirements of the relevant EU health, safety and environmental protection legislation.

- ▽ Abrasion Test ISO 9211
- ▽ Climate cycling EN 1279-2
- ▽ Coating Adhesion ISO 9211

- ▽ UV and condensation EN 1096-2
- ▽ Neutral salt spray EN 1096-2

## ABOUT US

Sapphire™ is manufactured by Groglass® - located in Riga, Latvia. Groglass® delivers anti-reflective glass worldwide - to more than 40 countries. Sapphire™ is used for a wide range of applications - high-end electronic displays, lighting fixtures, picture framing and luxury architectural solutions.

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