

# SAPPHIRE AR LOW-E



Sapphire cold storage anti-reflective glass offers visibility close to that of open cabinets, and allows consumers to have a clear view of the products inside. Cold storage with Sapphire AR glass reduces the energy required for cooling products and significantly improves temperature uniformity, compared to open refrigerated cabinets.

## SAPPHIRE AR LOW-E OFFERS IMPROVED INSULATION, COMBINED WITH IMPECCABLE VISIBILITY

- Cold storage displays
- Refrigerated cabinets



**ANTI-REFLECTIVE COATING  
FOR MAXIMUM PRODUCT  
VISIBILITY**

**LOW-EMISSIVITY COATING  
FOR INCREASED  
ENERGY-EFFICIENCY**

**EASY TO PROCESS  
TO YOUR  
SPECIFICATIONS**

# SAPPHIRE AR LOW-E

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Increased light transmission

Improved U-value

High-performance glass coating design

Suitable for thermal processing

Suitable for DGU design

Scratch resistant






Anti-reflective coating

Float glass substrate




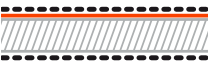
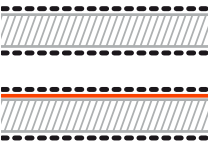
Low emissivity coating

Anti-reflective coating

## PROPERTIES\*

	 Substrate	 Thickness	 Maximum size	 Reflection	 Visible light transmission
AR SOFT LOW -E	Soft low-e on regular float	4 mm	2250x3210 mm	<1.2%	>89%
AR HARD LOW -E	Hard low-e on regular float	4 mm	2250x3210 mm	<1%	>92%

## PERFORMANCE\*

		 Thermal transmittance, w/m2k Soft low - E / Hard low - E	 Reflection Soft low - E / Hard low - E
REGULAR FLOAT		5.8	~8%
SAPPHIRE AR LOW-E		3.2 / 3.7	<1.2% / <1%
SAPPHIRE AR DGU WITH LOW-E		1.1 / 1.5	<1.8% / <1.5%

\* Contact us for technical specifications for different sizes/thermal treatments