

ID No	Version	Confirmation date
SPEC.P.04-13	1	02.12.2020

Sapphire AR

Technical specification

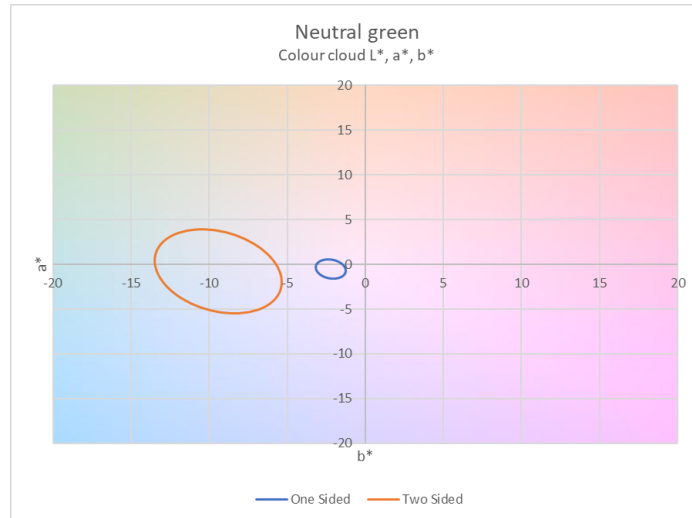
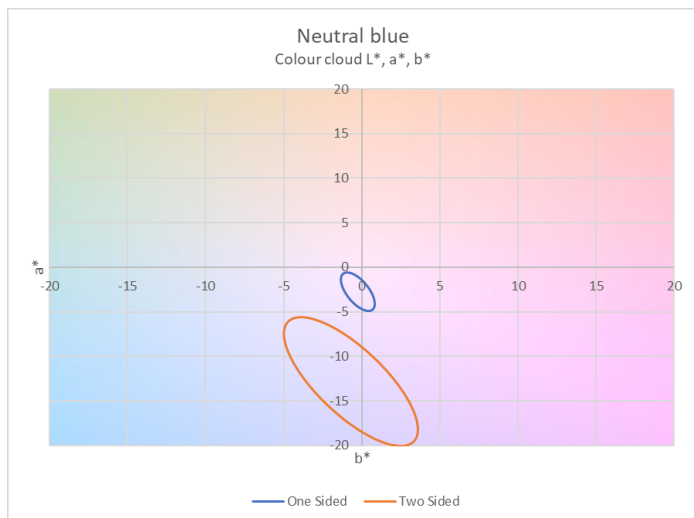
Sapphire AR is available with either one or two-sided anti-reflective coating on regular float glass substrate. One side coated Sapphire AR is used for bonding and lamination, while the two-sided product is used for general applications. Sapphire AR is easy to process and has neutral uniform reflectance color that remains stable under various viewing angles. This product can be used for many applications – storefront displays, cold storage, separation walls, architecture etc.

Optical properties

Optical performance [annex 1] and additional information about the products are described below :

		One sided	Double sided
Visible Light Transmittance (380-780nm, according to EN410)	2 mm	≥ 94.0 %	≥ 98.0 %
	3 mm	≥ 93.7 %	≥ 97.6 %
	4 mm	≥ 93.2 %	≥ 97.2 %
	6 mm	≥ 92.5 %	≥ 96.5 %
Visible Light Reflection at 8° angle (380-780nm, according to EN410)	2 mm	≤ 4.7 %	≤ 0.9 %
	3 mm		
	4 mm		
	6mm		
Refelection colour [see graphs below]		Neutral green / Neutral blue	
Glass Substrate Type*		Basic float	
Glass substrate Thickness, mm*		2 to 6 mm	

* For other thicknesses or substrate type, please contact sales@groglass.com



Mechanical and chemical properties

Groglass certifies that the substrate used for products complies to EN 572, and Sapphire AR is manufactured to comply with ISO 1096-2 Class A.

Performance of product is listed below:

Temperable	✓
Bendable	Optional ²
Weather resistance	PASS [according to EN 1096-2]
Neural salt spray	PASS [according to EN 1096-2]
Acid rain test	PASS [according to EN 1096-2]
UV and condensation	PASS [according to EN 1096-2]
Abrasion resistance	PASS [according to EN 1096-2]

² Bendable radius differ on thickness thus needs to be determined through testing.

Technical information

The size of stock sheet (gross size) is 3210 x 2250 mm (126" x 88"). Standard packaging is in Endcaps (max. 2.2 t) and packed through powder. For quantities in one package see table below:

Thickness	Quantity
2 mm	50 pcs
3 mm	36 pcs
4 mm	27 pcs
6 mm	18 pcs

For other packing options or net sheet sizes, contact sales@groglass.com.

Information about Storage, Handling, Washing e.t.c. can be found in "Handling and cleaning Guidelines"

Annex 1

Example spectra for Sapphire AR double sided 4 mm FL.

