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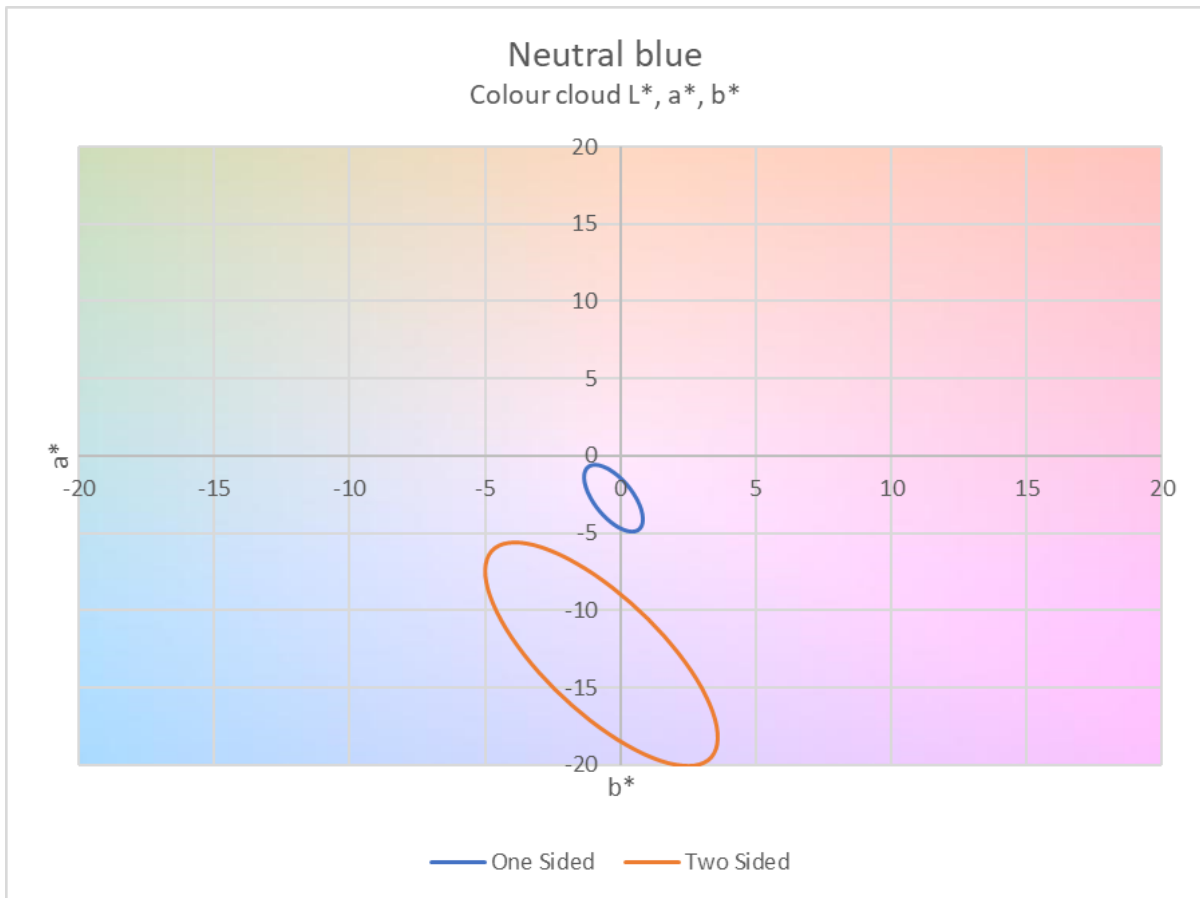
Sapphire AR

Technical specification

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

Optical properties

Optical performance and additional information about the products are described below :

		One sided	Double sided
Visible Light Transmittance (380-780nm, according to EN410)	3 mm	≥ 94,5 %	≥ 98,3 %
	4 mm	≥ 94,4 %	≥ 98,1 %
	5 mm	≥ 94,2 %	≥ 97,9 %
	6 mm	≥ 94,1 %	≥ 97,7 %
	8 mm	≥ 93,7 %	≥ 97,4 %
	10 mm	≥ 93,4 %	≥ 97,1%
	12 mm	≥ 93,1 %	≥ 96,8 %
Visible Light Reflection at 8° angle (380-780nm, according to EN410)	3 mm	≤ 4.7 %	≤ 1.0 %
	4 mm		
	5 mm		
	6 mm		
	8 mm		
	10 mm		
	12 mm		
Refelection colour		Neutral Blue	
Glass Substrate Type*		Low Iron	
Glass substrate Thickness, mm*		3 - 12 mm	

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

Neutral blue

Colour cloud L*, a*, b*

One Sided —— Two Sided ——

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
3 mm	36 pcs
4 mm	27 pcs
5 mm	21 pcs
6 mm	18 pcs
8 mm	14 pcs
10 mm	11 pcs
12 mm	9 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 "Groglass Cleaning and Handling Guidelines" (access through the link below)

https://www.groglass.com/wp-content/uploads/2024/01/PROC.A.13-11-v.2-Groglass-Handling-Guidelines.pdf