

ID No	Version	Confirmation date
SPEC.P.04-15	1	02.12.2020

Sapphire Semi-transparent mirror

Technical specification

Sapphire Semi-Transparent Mirror is a high reflective glass product that can transform from a regular mirror into a fully functional electronic display. It is the perfect choice for data displays, security zones, exterior and interior designs, and other applications. Two different types of products are available – with 35 % or 50 % elegant silver color reflectance that remains stable under various angles of viewing. Customers can select 35 % or 50 % reflectance level based on their planned use – 35% semi-transparent mirror has a greater light transmittance, but the 52% semi-transparent mirror provides more reflectance.

Optical properties

The optical performance and additional information about the products are described below :

Product	ST 35	ST 50
Visible Light Transmittance at 0° angle (380-780nm, according to EN410)	65 ± 5 %	50 ± 5 %
Visible Light Reflection at 0° angle (380-780nm, according to EN410)	35 ± 5 %	50 ± 5 %
Reflection colour	Silver	
Glass Substrate Type*	Low iron	
Glass substrate Thickness, mm*	3 to 6 mm	

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

Mechanical and chemical properties

The substrate used for products complies with EN 572 .

The product performance is listed below:

Temperable	NOT TEMPERABLE
Bendable	NOT BENDABLE

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 polyethylene foil. 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

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"

Example spectra for Sapphire Semi-Transparent Mirror™:

