

ST-GS - surface glass mirror for projection

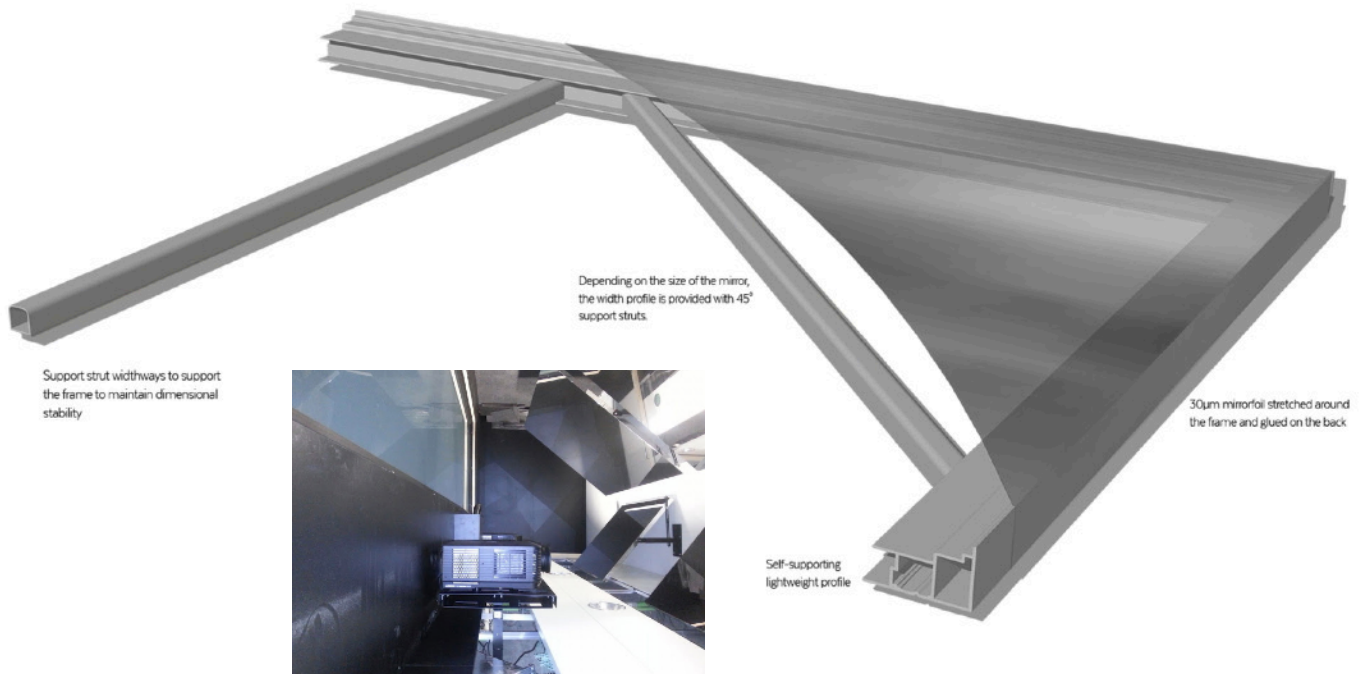
Description	Distortion-free glass mirror without double images, polarization-preserving
Material	Float glass
Thickness - Flatness - maximum size	3 mm - 8/8/2 - 124 x 80 cm 5 mm - 20/20/4 - 125 x 80 cm 6 mm - according to float glass - 270 x 180 cm
Coating	Aluminum on one side with reflection-enhancing interference coating
Deflection	< 0,1 mm /100 mm
Surface protection	Thin and easy removable protective film
Abrasion test	200 strokes, 566 g, with cloth
Adhesion test	with Scotch, 3M 8981
Moisture-proof test	48 h, 95% relative humidity, 50°C
Tauchen in Salzlösung	37 g/l, 24 h at room temperature
Immersion in saline solution	according to ISO 9227 NSS, 48 h
Wipe test	20 wiping movements with isopropyl alcohol, glass cleaner, acetone
Immersion in isopropyl alcohol	2 h at room temperature
Climate change	4 h at 80°C, 4 h at - 30°C, 16 h according to ISO 6270 part 1, 4 cycles
Long-term heat storage	7 days at 100°C

Minimum reflectance values

Wavelength in nm	6° light angle of incidence	45° light angle of incidence
400	> 92 %	> 92 %
450	> 93 %	> 93 %
550	> 94 %	> 94 %
600	> 90 %	> 90 %

Glass and surface defects

Error type	Single error size	Maximum permissible number of errors	Minimum distance between two errors
Point error	> 0,7 mm	not permitted	50 mm
Pinholes	> 0,2 to 0,7 mm	unlimited	
Glass defects	> 0,2 mm	not rated, but no cloud formation	
Scratches	Width to 0,08 mm	total length cumulated, max. 1/3 the longest edge	50 mm



ST-AV-HS - surface foil mirror for projection

Description	Distortion-free foil mirror without double images, polarization-preserving
Material	Aluminum film on aluminum frame
Thickness - Flatness - maximum size	Film 30 my 100% flat 40 mm from edges - - frame 40/45 mm - 2x6 m
Deflection	< 0,1 mm /100 mm
Surface protection	none

Minimum reflectance values

Wavelength in nm	6° light angle of incidence	45° light angle of incidence
400	> 92 %	> 92 %
450	> 93 %	> 93 %
550	> 94 %	> 94 %
600	> 90 %	> 90 %

Surface defects

Error type	Single error size	Maximum permissible number of errors	Minimum distance between two errors
Point error	> 0,7 mm	not permitted	50 mm
Pinholes	> 0,2 to 0,7 mm	unlimited	
Foil defects	> 0,2 mm	not rated, but no cloud formation	
Scratches	Width to 0,08 mm	total length cumulated, max. 1/3 the longest edge	50 mm