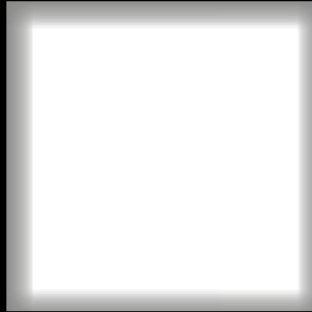




artglass

ARCHITECTURE

SEE WHAT'S IMPORTANT



NO REFLECTION

Artglass™ reduces unwanted residual reflections to < 0.5% per surface. This is 8 times less than regular glass.

IMPROVED TRANSMISSION

Increases the transmission of visible light up to 98%.

ABRASION RESISTANT AND EASY TO CLEAN

Easy to clean with appropriate glass cleaner. Durability performance meets ISO standards.

NEUTRAL REFLECTION COLOR

Ensures neutral and uniform reflection color for the best viewing experience.

SUITABLE FOR POST PROCESSING

Can be heat strengthened, thermally-toughened, laminated and used for insulating glass units, bent, printed on, drilled, UV glued, screen printed, edge-worked.

EASY TO ADAPT

Can be combined with Low-E, Solar control and Heat reflecting coatings.



ARTGLASS™ BY GROGLASS® FOR ARCHITECTURE

ARTGLASS™ BRINGS NEW DIMENSION OF REALITY BY ENSURING TRUE AND UNOBSTRUCTED VIEW OF OBJECTS.

Artglass™ anti-reflective glass is produced on the world's largest vertical double side magnetron sputtering coater in a process where anti-reflective metal oxide coating is applied on one or both glass surfaces in a single manufacturing step. The sputtering method ensures the highest quality anti-reflective glass, which reduces residual reflections to less than 0.5% per surface, increases light transmission up to 98% and has a neutral reflection color. Artglass™ is available with one side or two side anti-reflective coating on low-iron glass, regular float glass as well as on other types of glass, and it can be processed like conventional glass*. Artglass™ is also available on laminated substrates, ensuring up to 100% UV protection and shatter resistance.



Porsche Design store, Munich, Germany, SCHOLLGLAS

PRODUCT DETAILS


| | COMPOSITION* (mm) | GLASS SUBSTRATE* | DIMENSIONS | |
|----------------------|---|---------------------------|-------------|------------|
| | | | Length (mm) | Width (mm) |
| ARTGLASS AR™ | 3-12 | Low-iron Regular float | 2250 | 3210 |
| ARTGLASS AR PROTECT™ | 4.4, 6.4, 8.8, 10.8, 12.8, 9.5, 11.5, 13.5 | Low-iron | | |

* For other compositions and glass substrates please contact us at sales@groglass.com

Artglass AR™ - the highest quality anti-reflective glass, used for the most innovative architectural applications. It offers unparalleled design possibilities, superior clarity and renowned durability. Artglass™ can be tempered, bent, laminated, printed on, bonded, drilled and subjected to various kinds of edgework.

Artglass AR Protect™ - the highest quality, virtually invisible, laminated glass. It offers the highest UV protection and is a physical safety solution. In case of breakage, Artglass AR Protect™ remains attached to the laminating foil. Because of its durability and ease of handling, Artglass AR Protect™ is the preferred anti-reflective glass by the world's leading designers and architects.

VISUAL, OPTICAL AND DURABILITY PERFORMANCE MEETS INTERNATIONAL STANDARDS

| | |
|---|---|
| ABRASION TEST (ISO 9211) | The coating shows no damage after 500 cycles with taber abraser (1kg load). |
| CLIMATE CYCLING (EN 1279-2) | The coating shows no changes in optical properties after exposure to a thermal cycling test from -20°C to +80°C, at >90% relative humidity. Test duration 1176 hours (49 cycles). |
| COATING ADHESION (ISO 9211) | The coating shows no damage after snap removal of firmly placed adhesive tape. |
| UV AND CONDENSATION (EN 1096-2) | The coating shows no changes in optical properties after exposure to UV irradiance (0,71 W/m ²) at 60°C for 4 hours, followed by condensation at 50°C for 4 hours. Test duration 1000 hours (125 cycles). |
| NEUTRAL SALT SPRAY (EN 1096-2) | The coating shows no damage after salt fog application: 40°C (4 hours), dry off at 60°C (<35% RH) (2 hours), Humidity at 50°C (>95% RH) (2 hours). Test duration 504 hours (63 cycles). |
|  | Groglass® declares that Artglass™ products comply with the essential requirements of the relevant EU health, safety and environmental protection legislation. |

REFERENCES



Top and right: The Rijksmuseum, Amsterdam, the Netherlands Photos: Julien Lanoo
Left: Botanical Garden, Berlin, Germany

- Singapore Zoo, Singapore
- Porsche design store, Munich, Germany
- Dior stores, Chicago, USA
- Hugo Boss store, Madrid, Spain
- The Rijksmuseum, Amsterdam, the Netherlands
- The Imperial War Museum, London, UK
- The State Hermitage Museum, St. Petersburg, Russia
- The King Abdulaziz Museum, Dhahran, Saudi Arabia

*Institutions listed above, are for informational purposes only and do not imply endorsement of any products by the institutions or their employees.

ARTGLASS™ WORLDWIDE

Artglass™ is the preferred anti-reflective glass globally. Artglass™ partners are located in Europe, Asia, North and South America, Middle East, Asia, Australia and Africa.



APPLICATIONS

- | | |
|------------------------------|--------------------------|
| Architectural interiors | Display cases |
| Facades | Balustrades |
| Shop fronts | Store fixtures |
| Museums | Lobbies |
| Panoramic restaurants | Foyers |
| Showrooms | TV and recording studios |
| Luxury commercial decoration | Observation rooms |
| Stadiums/arenas | Display units |
| Historical preservation | Internal partitions |
| Waiting rooms | Interpreter/sound booths |
| Display windows | Zoos and aquariums |
| Artwork | Terrariums and vivariums |
| Cash dispensers | Airports |
| Petrol stations | Control towers |

ABOUT US

Artglass™ is manufactured by Groglass® - located in Riga, Latvia. Groglass® delivers anti-reflective glass to more than 40 countries for a wide range of applications. Artglass™ premium architectural glass is used by glass processors and architects worldwide. Groglass® also delivers glass for picture framing and high-end electronic displays.

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