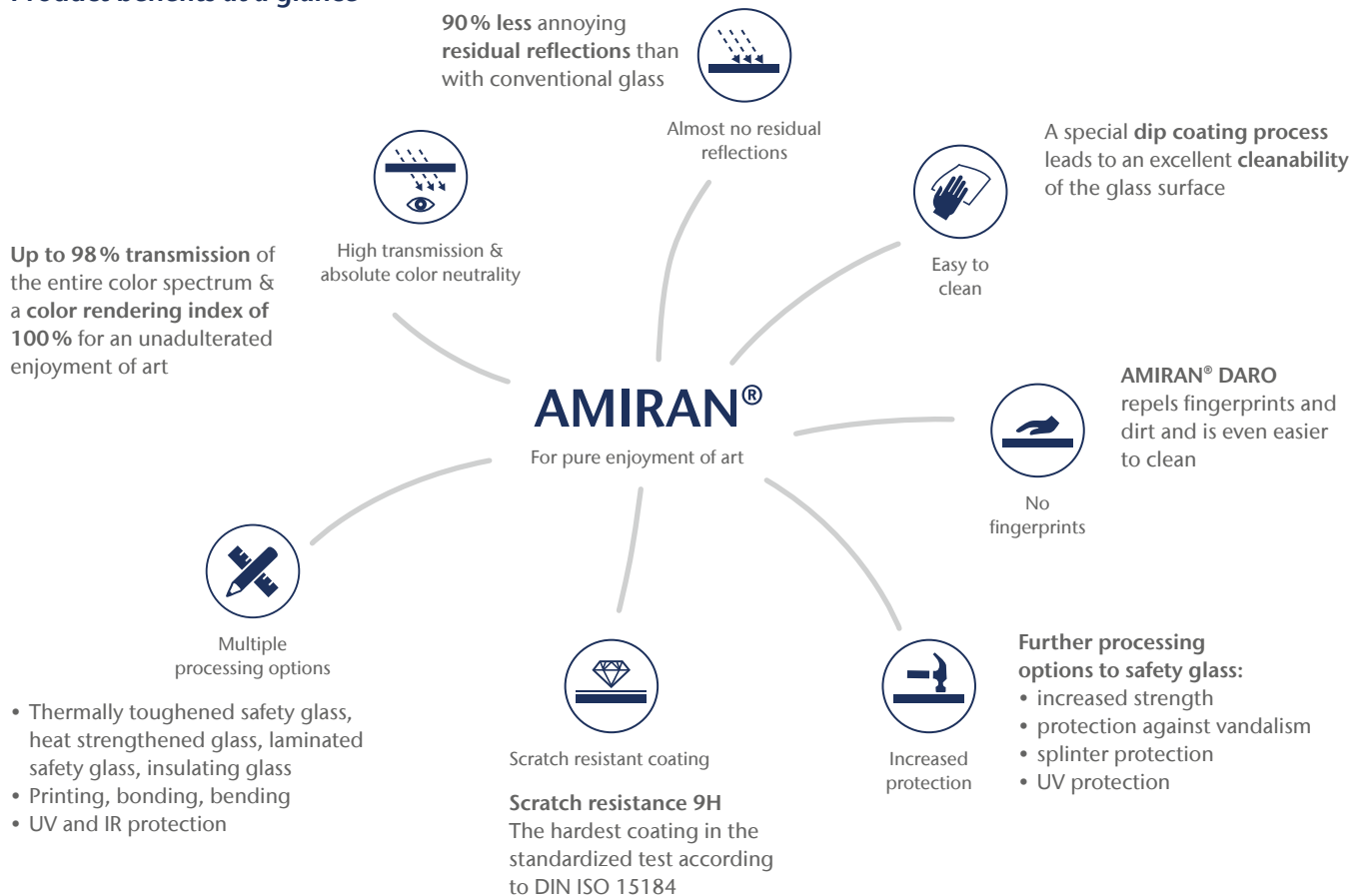


SCHOTT AMIRAN® – Anti-Reflective Glass for Showcases

Technical Data Sheet

Product benefits at a glance



Quality made in Germany

Museums, collections and galleries all over the world have been relying on SCHOTT AMIRAN® for over decades. The almost invisible optical interference anti-reflective glass protects valuable objects without disturbing the pleasure of looking at them.

The unique hard coating technology from SCHOTT ensures maximum scratch resistance by burning in the applied layers.

A variety of processing options allow customised adaptations for e.g. increased UV protection, showcases made of curved AMIRAN® or even defined protection against vandalism.

A product from production to sales made in Germany.







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Technical Data Sheet

Base material: Extra-clear low-iron float glass

Processing options: Thermally toughened safety glass / heat strengthened glass / laminated safety glass / curved glass / alarm glass / security glazing / screen printing / drilling of holes / edge processing

| | Max. net dimensions | Thickness | Glass substrate | Luminous reflectance | Luminous transmittance | Color rendering index | UV transmittance |
|--|---|-----------------------|-----------------------------------|----------------------|------------------------|-----------------------|------------------|
| | mm x mm | mm | | ρ_{VD65} % | τ_{VD65} % | R_a | τ_{UV} % |
|  AMIRAN® | 3,770 x 1,770 | 4, 5, 6, 8, 10, 12 | Extra-clear low-iron float glass* | 1 | 98 | 100 | 63 |
|  AMIRAN® Thermally toughened safety glass / heat strengthened glass | 3,770 x 1,770 | 4, 5, 6, 8, 10, 12 | Extra-clear low-iron float glass* | 1 | 98 | 100 | 63 |
|  AMIRAN® Laminated safety glass with a PVB film | 3,770 x 1,770 | Dependant on assembly | Extra-clear low-iron float glass* | 1 | 97 | 100 | 1 |
|  Optional with DARO | 1,220 x 885 larger dimensions on request | 4, 5, 6 | Extra-clear low-iron float glass* | 1 | 98 | 100 | 63 |

Conventional float glass in comparison

| | | | | | | | |
|------------------|-------------------------------|-------------------------------|--|------------------------|----------|----------|----------|
| Monolithic glass | Dependant on the manufacturer | Dependant on the manufacturer | Float glass Extra-clear low-iron float glass* | approx. 8 approx. 8 | 90 91 | 98 99 | 70 86 |
|------------------|-------------------------------|-------------------------------|--|------------------------|----------|----------|----------|

* particularly low-iron oxide, very clear float glass

1. The values refer to a glass thickness of 4 mm for monolithic glasses.

The structure selected for laminated safety glass is 4 / 0.76 / 4 mm.

2. The values are calculated based on the standards DIN EN 410.

Version February 2022 | SCHOTT reserves the right to make specification changes in this product flyer without notice.