

SCHOTT MIRONA® – Semi-Transparent Mirrored Glass

Technical Data Sheet

Processing: Thermally strengthened glass/thermally tempered safety glass/laminated safety glass/insulating glass

MIRONA® is a mineral glass that has been coated on one or on both sides with an optical interference layer to enable a defined reflection and transmission. MIRONA® is available on extra-clear low-iron float glass. On customer request, MIRONA® semi-transparent mirrored glass can be supplied

as thermally tempered or processed into laminated safety glass. MIRONA® glass can be cleaned using a normal glass cleaning agent or a towel that has been moistened with a 1:1 mixture of denatured alcohol and water.

Product advantages

- Homogenous appearance with respect to reflection and transmission
- Low absorption losses
- Reflects an elegant, silvery color
- Can be thermally strengthened (all types of MIRONA®)
- All types (except MIRONA® Standard only indoors) can be installed indoors and outdoors (DIN EN 1096-2; Class A)
- Easy to clean
- Can be processed into laminated safety glass (all types of MIRONA®)

Applications

- Consumer electronics, cover panels for use in televisions, data display devices and projection screens, etc.
- Architecture, partition walls and design elements, etc.
- Lighting industry, light covers, etc.

Product range

| Product | Description | Light transmittance τ_{VA} % | Visual reflectance ρ_{VA} % |
|---|--|---|--|
| MIRONA® Standard | Extra-clear low-iron float glass coated on both sides with an optical interference layer that enables defined reflection and transmission. | 63 ± 5 | 34 ± 5 |
| MIRONA® High Reflective | Extra-clear low-iron float glass coated on both sides with the "High Reflective Coating". This optical interference layer enables higher reflection and defined transmission. | 42 ± 5 | 55 ± 5 |
| MIRONA® Beamsplitter | Extra-clear low-iron float glass with an anti-reflective coating on one side and the "High Reflective Coating" on the other. This allows for a defined reflection and transmission with virtually no annoying double reflection. | 59 ± 5 | 36 ± 5 |
| MIRONA® High Reflective – One side coated | Coated on one side only to produce MIRONA® Beamsplitter as laminated safety glass. | 57 ± 5 | 40 ± 5 |

Dimensions and thickness

| Dimensions (net) mm x mm (inches x inches) (min.) | Thickness mm (inches) | Thickness tolerance mm (inches) |
|--|---|------------------------------------|
| 1,770 x 1,220 (69.7 x 48.0) | 2, 3, 4 and 6 (1/16, 1/8, 5/32 and 1/4) | ± 0.2 (± 0.01) |
| 3,180 x 1,770 (125.2 x 69.7) | 3, 4 and 6 (1/8, 5/32 and 1/4) | ± 0.2 (± 0.01) |

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glass made of ideas