SCHOTT MIRONA® – Semi-Transparent Mirrored Glass

Technical Data Sheet

Processing: Thermally strengthened glass / thermally toughened 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 in extra-clear low-iron float glass or grey 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
- Available in various types of base glasses
- Can be thermally toughened (MIRONA® standard)
- Can be processed into laminated safety glass (MIRONA® single side coated)
- Easy to clean

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 Grey	Grey float glass (as base glass) coated on both sides with the "High Reflective Coating," an optical interference layer that enables higher reflection and defined transmission.	20 ± 5	42 ± 5
MIRONA® Single side coated	MIRONA® "High Reflective" – coated on one side only. This format is used to produce laminated safety glass.	57 ± 5	40 ± 5

Dimensions and thickness

Dimensions (net) mm × mm (min.)	Thickness mm	Thickness tolerance mm
1,770 × 1,220	4 and 6	± 0.2
3,180 × 1,770	4 and 6	± 0.2

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