

GUARDIAN CLARITY™ – DOUBLE SIDED ANTI-REFLECTIVE GLASS

TENDER SPECIFICATION GUIDELINES

Guardian Clarity™ double-sided anti-reflective coated float glass is the solution to unwanted glare and unobstructed views. The anti-reflection coating is applied on both surfaces used by most advanced vacuum-magnetron sputtering technology.

Substrate: Guardian UltraClear™ – low-iron glass, produced according EN 572

Coating: according EN 1096-4

PERFORMANCE DATA

GUARDIAN CLARITY™ LAMI ULTRACLEAR™

Guardian Clarity™ Lami UltraClear™ Low-iron glass	55.2*	55.4**
Visual reflection (acc.EN 410 – 2011)	0.7 %	0.7 %
Light transmission (acc.EN 410 – 2011)	96.5 %	96.4 %
General color rendering index	98.2 %	97.9 %
UV transmission	0 %	0 %
Safety properties – EN 12600 pendulum impact test	1(B)1	1(B)1
Security properties – EN 356	P2A	P4A
Direct air bone sound insulation	34 dB	34 dB
Thermal transmittance (U-value)	5.5 W/m ² K	5.5 W/m ² K

* 2x5 mm low-iron glass laminated with 0.76 mm PVB foil, with two sided anti-reflection coating

** 2x5 mm low-iron glass laminated with 1.52 mm PVB foil, with two sided anti-reflection coating" after the table

The performance values shown are nominal and subject to variations due to manufacturing tolerances. Spectra-photometric values according to EN 410; U-values according to EN 673.

PRODUCT OPTIONS

Monolithic: 3, 4, 5, 6, 8, 10 mm

Laminated safety glass: 3+3, 4+4, 5+5, 6+6, 8+8

PVB foil: 0.38 mm, 0.76 mm, 1.52 mm

Temporary Protective Film (TPF) on coated side

BENEFITS

- > High color neutrality and contrast
- > A viewing experience through the glass that is virtually distortion free
- > Durable and smooth coating surface for easier maintenance
- > Available in maximum 3210x6000 mm – a real advantage for cutting optimization to reduce cutting loss
- > Can be tempered, heat strengthened, bended
- > Available as laminated version for security, safety and ultraviolet protection

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Double-sided anti-reflective coated low-iron float glass, with highest possible light transmission value and light reflection below 1%. Remaining reflection color is light-bluish, with no color-shift in a view from different angle to achieve optimal optical and aesthetic result.

COLLATERAL PACKAGE AVAILABLE

Manufacturer's Performance datasheet and brochure
Samples: minimum DIN A4 21x29 cm of Guardian Clarity™ as per specification
Storage, installation, maintenance and cleaning guidelines according to Guardian's instructions. Shall be included in the delivery.

Our Guardian Sales and Technical Support Team is ready to help answer questions related to the technical aspects of the product and its functions, as well as to the processing of the glass.

For further information, please contact:

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