

Guardian UltraClear™ *Low-Iron Glass*



**GUARDIAN
INGLASS®**
ADVANCED INTERIOR GLASS



FURNITURE, TABLE TOPS

STAIRCASES AND HANDRAILS

DISPLAY CASES FOR SHOPS AND MUSEUMS

SHOWER ENCLOSURES

DOORS

WALLS AND PARTITIONS

SHOWCASES

MIRRORS

ACCESSORIES

LIFTS AND ESCALATORS

DECORATIVE SURFACES



Guardian UltraClear™ float glass offers exceptional clarity with a low iron oxide content (<130 ppm). The low iron content reduces discolouration of the float glass and provides a crystal like appearance, offering the ideal design solutions wherever a superior finish is required in both in interior or exterior applications.

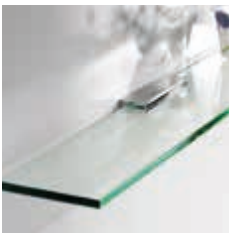
There are countless applications.

A touch of class, UltraClear reacts with bright daylight providing an enhanced feeling of space and light to the finished application.

HIGH LIGHT TRANSMISSION AND TRUE COLOURS THROUGH ULTRACLEAR. OUR GLASS IS CLEARLY DIFFERENT.



Guardian UltraClear™



Standard float
©Roca Sanitario, S.A.
Photos Courtesy of Roca

The bright, crystalline transparency of Guardian UltraClear, makes it the perfect choice when we want maximum clarity and colour neutrality. Ideal for applications such as doors, partitions, shop display cases, furniture and table tops, showcases, decorative surfaces, handrails.

Guardian UltraClear bathes spaces in light without the characteristic greenish tone of conventional glass that is especially visible at the edge.

As a substrate used in the manufacture of all kinds of products, UltraClear lives up to its name.

UltraClear adds visibility without distortion and provides outstanding clarity.

Guardian UltraClear Specifications



ULTRACLEAR



LAMIGLASS
ULTRACLEAR



DECOCRISTAL
ULTRACLEAR



SATINDECO
ULTRACLEAR



MIRROR
ULTRACLEAR

Availability

UltraClear is available with all Guardian InGlass® product ranges; Guardian LamiGlass®, DecoCristal®, SatinDeco®, Mirror and other product combinations, contributing neutral colour to a host of applications.

Available in thicknesses from 2mm to 15mm

Maximum size 3,210mm x 6,000mm

Features

UltraClear glass has a low iron oxide content, giving higher transparency and natural colour. The use of new types of materials in its manufacture increases its light transmission capacity and reduces the greenish tone typical of conventional glass, which is most noticeable from the edge and is more obvious in thicker glass.

Manufacture

UltraClear can be processed; laminated, painted, cut, curved, silk-screened and tempered, like any conventional float glass.

Technical Specifications

Thickness	[mm]	2	3	4	5	6	8	10	12	15
Light Transmission	[%]	91	91	91	91	91	90	90	90	89
Colour Rendering Index	[R _a]	100	100	100	100	100	100	100	99	99
Energy Transmission	[%]	91	90	90	89	89	88	87	86	85
Energy Reflection	[%]	8	8	8	8	8	8	8	8	8
Energy Absorption	[%]	1	2	2	3	3	4	5	6	7
Solar Factor g	[%]	91	91	90	90	90	89	88	88	87
Shading Coefficient	[SC]	1.05	1.04	1.04	1.03	1.03	1.02	1.01	1.01	1.00
UV Transmission	[%]	88	86	85	83	82	79	77	75	72
Iron Content	[%]	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Calculations and terms are based on EN 410:2011 and EN 673:2011. The performance values shown represent nominal values for the center of glass with no spacer system or framing. Slight variations may occur due to manufacturing tolerances, point of manufacture, and type of instrumentation used to measure the optical properties.

To see the benefits of Guardian UltraClear™ glass for yourself and discover how you can enhance your project, please contact:

Guardian Europe S.à.r.l.
 19 rue du Puits Romain
 L-8070 Bertrange
 Luxembourg
 Phone: (+352) 28 11 11
inglass.europe@guardian.com

The performance values shown are nominal and subject to variations due to manufacturing tolerances.

The products in this publication are sold subject to Guardian's standard terms and conditions of sale and any applicable written warranties. It is the responsibility of the purchaser to confirm that the products are suitable for their intended application in compliance with the applicable laws and regulations. Please contact your local Guardian representative to obtain any applicable handling and fabrication guides and for the most current product information.



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