

Guardian UltraClear™ *Low-Iron 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
- INSULATING GLASS UNITS
- FACADES, DOUBLE-SKIN FACADES

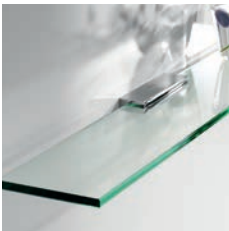


Guardian UltraClear float glass offers exceptional clarity with a low iron oxide content. The low iron content reduces discolouration of the float glass and provides a crystal like appearance, offering the ideal design solutions wherever a superior finish is required in both in interior or exterior applications.

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.



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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, insulating glass units, facades and double-skin facades. Guardian UltraClear bathes spaces in light without the characteristic greenish tone of conventional glass, especially visible from the glass 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.

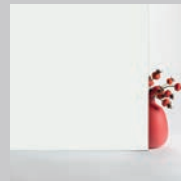
UltraClear Specifications



ULTRACLEAR



LAMIGLASS
ULTRACLEAR



DECOCRISTAL
ULTRACLEAR



SATINDECO
ULTRACLEAR



MIRROR
ULTRACLEAR

Availability

UltraClear is available with all InGlass product ranges; LamiGlass, DecoCristal, SatinDeco and 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	[%]	92	91	91	91	91	91	91	90	89
Light Reflection	[%]	8	8	8	8	8	8	8	8	8
Colour Rendering Index	[R ³]	100	100	100	100	100	100	100	99	99
Energy Transmission	[%]	91	90	90	90	89	89	88	87	86
Energy Reflection	[%]	8	8	8	8	8	8	8	8	8
Energy Absorption	[%]	1	1	1	2	3	4	4	5	6
Solar Factor g	[%]	91	91	90	90	90	89	89	88	87
Shading Coefficient	[SC]	1.05	1.04	1.04	1.04	1.03	1.03	1.02	1.01	1.00
UV Transmission	[%]	85	83	81	79	77	74	71	69	67

All GUARDIAN Float Glass complies with Standard EN 572-2 2012, "Glass in Building – Basic Soda Lime Silicate Glass Products – Part 2: Float Glass" and Standards EN 572-1 2012, "Glass in Building – Basic Soda Lime Silicate Glass Products – Part 1: Definitions and General Physical and Mechanical Properties".

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

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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. Please contact your local GUARDIAN representative to obtain any applicable handling and fabrication guides and for the most current product information.