

**LUXCLEAR**

Anti-corrosion glass

**AGC**



Belgium, Dune Hotel Nieuwpoort

Your Dreams, Our Challenge



Luxclear is a clear glass with an invisible magnetron coating (on one side) initially designed for shower applications but that can also be installed outdoors. Its coating has been specially developed to protect the glass surface and drastically slow the ageing process when in contact with water by preventing the development of a whitish deposit on the glass.

As a benefit for the end user, Luxclear requires no special cleaning solutions or processes compared to standard float glass. With Luxclear, glass will keep its bright appearance for a long time.

# Keeps glass as bright and transparent as on the very first day

## — LUXCLEAR —

What's so special about it?

What does this mean for you?

- Long-lasting transparency and cleanness** – Glass will keep its transparent and bright appearance for years. Thanks to the coating on the glass surface, Luxclear will remain free of visible corrosion and staining on the coating surface for the life of the product as per AGC's 10-year no corrosion warranty
- Durable protection, unlimited shelf life** – The industrial application of the coating ensures the durability of the glass treatment allowing storage with unlimited shelf life
  - Very good durability (Class A according to EN 1096-2 standard)
- Ease of processing** – Processing is just as easy as processing clear float of the same thickness. It can be tempered using similar parameters
- Neutral appearance** – The invisible coating doesn't significantly change the optical properties of the glass in terms of transmission, reflection and colours
- Safety** – Toughened glass ensures safety
- Interior and exterior applications** – Luxclear is an ideal product for shower applications but can also be applied outdoors for balustrades and conservatories (Class A according to EN 1096-2 standard).
- Detectable** – It is possible to detect the Luxclear coating before and even after tempering. Easier for processor and installer.

# Resistance to corrosion: comparative test

— LUXCLEAR —

## Ageing test in climate chamber

Luxclear and standard clear float glass samples were placed in a climate chamber for a period of 21 days. The humidity in the room was kept at a level higher than 98%. The thermal cycle went from 25°C to 45°C in 30 minutes, then from 45°C to 55°C in 1 hour and back to 45°C again in 1 hour. This cycle was repeated 11 times. After that the temperature went back to 25°C in half an hour.

This test was approved by INISMa with the Class A certification.

Standard clear float



Visible corrosion

Luxclear



No corrosion

### Did you know?

As glass is made from sand, it contains sodium in large quantities. When water enters in contact with sodium it progressively damages the surface of the glass giving it a whitish aspect (due to corrosion) that cannot be cleaned away. With Luxclear, an invisible coating protects the glass against corrosion.

# Technical specifications

LUXCLEAR

## Performance

Thickness	8 mm (reference thickness)
Light transmission	85 %
Light reflection	11 %

## Processing options

Cutting	Straight or circular
Shaping and edge finishing	Edge grinding
	Grinding
	Drilling
	Notches
Special treatments	Tempering
	Laminating
	Silk-screen printing (possible on both sides)
	Offline hydrophobic coatings can be applied

## Availability

Available in 6, 8 and 10 mm and in 600\*321 cm, 225\*321 cm and 255\*321 cm. Available on Planibel Clearlite, Linea Azzurra, Clearvision and Matelux. On Request, available also in Luxclear double-sided and in laminated version. For more information, please refer to the AGC Product Catalogue.

## Installation

Luxclear must be installed with the coated surface facing the area exposed to water. You can identify the coated side using a tailor made Luxclear detector or using a tin bath side tester. The coated side is always the opposite side of the tin side. Before sending the sheets of glass to the installers, a sticker indicating the uncoated side should be applied to the glass. Detector and stickers are available on [www.agc-store.com](http://www.agc-store.com)

AGC Glass Europe provides technical support to help you determine the best glass components for your applications. Please contact the AGC Technical Advisory Service ([tas@agc.com](mailto:tas@agc.com)) for more information.



Luxclear is Cradle to Cradle Certified® Bronze.

**AGC GLASS EUROPE**

European Headquarters - T +32 2 409 30 00

AGC Glass Europe has representatives worldwide.

AGC Glass UK - T +44 1788 53 53 53 - sales.uk@agc.com

See [www.agc-yourglass.com](http://www.agc-yourglass.com) for further addresses.

