

CLEAR FLOAT GLASSES



GLASS UNLIMITED

THE PLANIBEL CLEAR RANGE

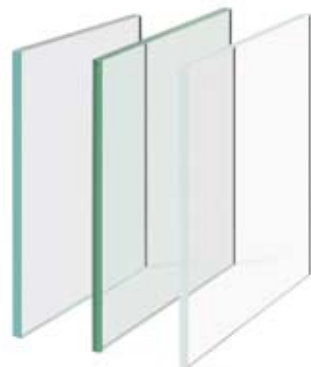
# PLANIBEL CLEAR RANGE

Planibel Clear range comprises the three basic glass products with a neutral appearance. Planibel Clear, Planibel Linea Azzurra and Planibel Clearvision are products used in architecture and design in a wide variety of applications. Their respective qualities are evidence of AGC Flat Glass Europe's\* keen desire to supply the best glass, from basic float glass to high-performance coated products.

\* In this document, AGC stands for AGC Flat Glass Europe



Planibel Clearvision in laminated Stratobel in jewelry shop window (courtesy Euroglas De Landtsheer)



The Planibel Clear range



Planibel Clear

## Source of inspiration

The importance of glazed surfaces in architecture and design continues to grow. Glass – a noble material with fascinating properties – is a source of inspiration for creators of living spaces. The quality of the substrates used in the Planibel Clear range offers designers solutions in keeping with contemporary architectural trends.

## Variety of applications

The clear substrate products are used as a base for the entire vast range of glass products.

- > **Decoration:** painted glass (Lacobel), matt glass (Matelux) or a combination of both (Matelac)
- > **Laminated glass** (Stratobel and Stratophone)
- > **Coated glasses:** solar-control glasses (Stopsol), insulating glasses (Planibel Low-E) or a combination of both (Sunergy & Stopray)
- > **Double glazing** (Thermobel)
- > **Cutting-edge applications:** solar panels, flat screens, compact discs, etc.

These float glass products can be processed as required for the application in question: toughening, enamelling, silk-screen printing, sandblasting, bending, UV bonding, etc.

# PLANIBEL CLEAR

AGC's benchmark neutral substrate lends itself to all applications in construction, decoration and, more broadly, the automotive and high-tech sectors. Planibel Clear can be processed in every imaginable way (toughening, bending, silk-screen printing, sandblasting, acid-etching, etc.). This product is available in a wide variety of thicknesses (from 0.85 mm to 12 mm). AGC is an expert in extra-thin thicknesses for high-tech applications.

# PLANIBEL LINEA AZZURRA

An exclusive thick glass for use in interior design and architecture, Planibel Linea Azzurra is eye-catching indeed. Its slightly blue colouring gives it an original appearance unequalled by rivals. With thicknesses of up to 25 mm, Planibel Linea Azzurra can be used for all applications, both indoor (decoration, furniture) and outdoor. Available in very thick versions, it is also a solution for providing wind resistance for point-fixed structural glazing facades. Thanks to the ease with which it can be cut and processed, it offers excellent performance and unlimited processing options.

# PLANIBEL CLEARVISION

This extra-clear glass in the Planibel range fits in with current architectural trends towards neutrality, purity and luminosity. Planibel Clearvision is a magnificent product with unparalleled light transmission (92%). Its excellent colour rendering index offers a superb appearance. Even in extra-thick versions, the substrate remains perfectly neutral, proof of just how pure this product is.

## Decoration

Conventional applications: furniture, partitions and doors.

Products based on Planibel Clearvision – such as painted, acid-etched and sandblasted glass – are highly prized for design work.

## Architecture

Outdoors, Planibel Clearvision is used as a base glass in architectural applications: laminated (shop windows), double skin facades and coated glass. Even in very thick versions required for, say, wind resistance, Clearvision maintains its first-rate transparency and neutrality.

## Solar

Planibel Clearvision is an ideal product for solar applications: photovoltaic solar panels, thermal panels and solar mirrors. It has a particularly high energy transmission and an excellent transmission in the sensitivity spectrums of solar panels. That makes Planibel Clearvision the perfect choice for maximising the efficiency of solar applications. A detailed technical information sheet on the solar properties of Planibel Clearvision is available on request.



Planibel Linea Azzurra in satin version Matelux



Planibel Clearvision, perfect for solar applications

## Availability in single glazing

mm	2	3	4	5	6	8	10	12	15	19	25
Planibel Clear	X	X	X	X	X	X	X	X			
Planibel Linea Azzurra						X	X	X	X	X	X
Planibel Clearvision		X	X	X	X	X	X	X	X*	X*	

\* On request

## Planibel clear: availability in ultra-thin thicknesses (Mol plant)

mm	0.85	0.95	1.1	1.25	1.6	1.9
Tolerance	± 0.05	± 0.05	± 0.05	± 0.05	± 0.1	± 0.1

## Planibel: performance

	mm	LT	LR	EA	SF	RD65
Planibel Clear	4	90	8	8	87	99
Planibel Clearvision	4	92	8	2	91	100
Planibel Clear	12	86	8	21	78	97
Planibel Linea Azzurra	12	85	8	28	73	95
Planibel Clearvision	12	91	8	4	89	100

## Stratobel: performance

	LT	LR	EA	SF	RD65
Stratobel 44.2	88	8	21	77	98
Stratobel Clearvision 44.2	91	8	12	84	100
Stratobel 33.1	89	8	17	80	99
Stratobel Clearvision 33.1	91	8	9	86	100

Stratobel Clearvision comprising two sheets of Clearvision

## Magnetron coatings available on Clearvision

	Composition*	Coating position	LT	LR	EA	SF	U <sub>g</sub> Value
Top <sup>N+</sup> on Clearvision	4-15-4 (90%Ar)	#3	81	13	9	64	1.1
Energy <sup>N</sup> on Clearvision	6-16-4 (90%Ar)	#2	74	12	21	43	1.1
Stopray Elite on Clearvision	6-16-4 (90%Ar)	#2	71	14	22	42	1.1
Stopray Safir on Clearvision	6-16-4 (90%Ar)	#2	64	15	26	36	1.1
Stopray Clearvision 50	6-16-4 (90%Ar)	#2	52	20	30	29	1.1
Stopray Galaxy on Clearvision	6-16-4 (90%Ar)	#2	42	17	42	22	1.1
Stopray Silver on Clearvision	6-16-4 (90%Ar)	#2	45	50	11	28	1.1

\* Clearvision (6mm) – 16mm space filled with 90% argon – Clearvision (4mm).

Except Top<sup>N+</sup> on Clearvision: Clearvision (4mm) – 15mm space filled with 90% argon – Clearvision (4mm).

Abbreviations: LT (%): light transmission; LR (%): light reflection; EA (%): energy absorption; SF (%): solar factor; RD65 (%): colour rendering index; U<sub>g</sub> value (W/(m<sup>2</sup>.K)): heat transmission of the glass.

Please visit [www.yourglass.com](http://www.yourglass.com) for the most detailed and up-to-date information on the products in the Planibel range: technical performance, availability, processing guides. Click on "Brands" and then on "Planibel Clear".

