



PLANICLEAR®

Clear float glass



CLEAR FLOAT GLASS

The glass and glazing industry has witnessed a growing trend towards clearer float glass substrates. This demand is being driven by the need for a more neutral appearance in both the architectural (project) market and the interior glass sector as well as the need for improved passive energy gain in the residential window market.

For years, Saint-Gobain Glass manufactured PLANILUX®, a high-quality clear glass. Now, Saint-Gobain Glass UK manufactures PLANICLEAR®, an improved float glass, with a lower iron content.



HIGHLIGHTS



ENERGY EFFICIENCY

The lower iron content of PLANICLEAR® reduces the level of absorption - thereby increasing the level of solar gain (g value). Increased passive solar heat gain can increase the overall energy balance of a window and lead to a positive impact on Window Energy Ratings.



DAYLIGHT COMFORT

PLANICLEAR® also contributes to a higher level of Light Transmission (TL). This helps to increase the level of natural daylight and can reduce the need for artificial lighting - creating a more comfortable environment.



AESTHETICS

The lower iron content of PLANICLEAR® reduces the level of green colouring so that the appearance is clearer and more neutral. This difference is particularly noticeable when viewing the edge of the glass.

APPLICATIONS

PLANICLEAR® is available in an extensive range of thicknesses suitable for a wide variety of applications. It can be toughened or laminated for safety benefits or silvered to produce mirrors. It is also suitable for screen printing, acid etching, decoration, sand blasting, lacquering or edgeworking etc.

PLANICLEAR® can be used in applications where strong levels of clarity and neutrality are required including:

- Windows and doors
- Mirrors
- Laminated safety glass
- Interior applications
- Glass façades
- Partitions

PRODUCT RANGE

PLANICLEAR® is available in:

- **Sizes:**
2250 x 3210mm,
2550 x 3210mm,
3210 x 6000mm.
- **Thicknesses:**
4mm, 6mm, 8mm, 10mm
& 12mm.



TECHNICAL SPECIFICATIONS

Performance data

	PLANICLEAR®									
Thickness (mm)	2	3	4	5	6	8	10	12	15	19
Visible Parameters										
Light Transmittance, T _L	91%	91%	91%	90%	90%	89%	89%	88%	87%	86%
Energetic Parameters										
Solar Energy Transmittance, T _E	89%	88%	87%	86%	85%	83%	81%	79%	77%	73%
Absorption, AE _i	3	4	5	6	7	10	12	14	16	20
Solar Factor, g Value	0.90	0.89	0.88	0.87	0.87	0.85	0.84	0.82	0.80	0.78

PLANICLEAR® is CE and UKCA marked.
Light and solar performance according to EN 410.
Performance data calculated using Calumen III 1.27 and is correct at the time of publishing (14.03.2024) but is subject to change at any time.



CERTIFICATION & CE MARKING

PLANICLEAR® and products manufactured using PLANICLEAR® are fully CE marked.

Declarations of Performance (DoP) can be downloaded from our CE marking website:

[HERE](#)

www.saint-gobain-glass.co.uk/en-gb/ce-marking



SAINT-GOBAIN GLASS

Weeland Road
Eggborough
East Riding of Yorkshire
DN14 0FD UK

saint-gobain-glass.co.uk