

SGG PLANICLEAR®
A new standard in clear glass

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Normal Clear Glass

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Over the past few years 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 **sgg PLANILUX®**, a high-quality clear glass. Now, Saint-Gobain Glass UK has improved its float glass offer by launching **sgg PLANICLEAR®**, a new standard float glass specification with lower iron content.



Highlights



The lower iron content of **sgg 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. Re-simulating existing licenses is not necessary if both the g-value and u-value are equal to, or better, than the performance originally simulated.



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



The lower iron content of **sgg 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

sgg PLANICLEAR® is available in an extensive range of thickness 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.

sgg 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 facades
- Partitions



Product Range

SGG **PLANICLEAR**® is available in:

- Jumbo size (PLF) 6000 x 3210mm, DLF 2250 x 3210mm, DLF 2000 x 3210mm.
- Thicknesses: 2.9/3.9/5.9/8/10/12/15/19mm.

Characteristics and Performances of the SGG product Range with **SGG PLANICLEAR**® will be available within CALUMEN II (certified software) in the next release.



Technical Specifications

Comparing SGG **PLANILUX**® with SGG **PLANICLEAR**®

Performance Data

		SGG PLANICLEAR ®									
Thickness	mm	2	3	4	5	6	8	10	12	15	19
Visible Parameters											
TL	%	91	91	91	90	90	89	89	88	87	86
Energetic Parameters											
TE	%	89	88	87	86	85	83	81	79	77	73
AE	%	3	4	5	6	7	10	12	14	16	20
Solar Factor g		0,90	0,89	0,88	0,87	0,87	0,85	0,84	0,82	0,80	0,78

Performance Data

		SGG PLANILUX ®									
Thickness	mm	2	3	4	5	6	8	10	12	15	19
Visible Parameters											
TL	%	91	90	90	90	89	88	88	87	86	83
Energetic Parameters											
TE	%	88	86	85	83	82	79	76	72	69	62
AE	%	4	6	7	9	11	14	17	21	24	32
Solar Factor g		0,89	0,88	0,87	0,85	0,84	0,82	0,80	0,77	0,75	0,70

Certification & CE Marking

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

Declarations of Performance (DoP) can be downloaded from our CE marking website from the 1st September:

<http://www.saint-gobain-glass.com/ce>



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