

SGG PLANICLEAR®

A new standard in clear glass

SEE PLANTICLEAR

Normal Clear Glass

SAINT-GOBAIN GLASS CLIMATE

# SGG PLANICLEAR®

# A new standard in clear glass

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 **see PLANILUX®**, a high-quality clear glass. Now, Saint-Gobain Glass UK has improved its float glass offer by launching **see PLANICLEAR®**, a new standard float glass specification with lower iron centent.



## Highlights



The lower iron content of see 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.



see 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 see 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.



scg 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



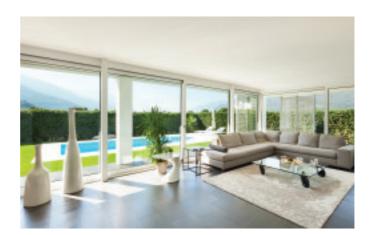


## Product Range

#### 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 see PLANILUX® with see 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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