

SGG PARSOL®

*Body-tinted glass*

Technical Sheet  
United Kingdom

# SGG PARSOL®

## Body-tinted glass

### Description

SGG PARSOL is a body-tinted glass, manufactured in the same way as SGG PLANILUX clear float glass. SGG PARSOL has a coloured appearance, as well as basic solar control properties.

### Applications

SGG PARSOL, like SGG PLANILUX, is intended for universal applications where an attractive appearance or basic solar control properties are required:

- Interior applications for decoration, fittings and furniture.
- External applications in single or double-glazing, for facades and overhead glazing



*Kingfisher house, UK  
Architect: Stewart*

### Range

There are 3 colours in the SGG PARSOL range:

- SGG PARSOL GREEN
- SGG PARSOL BRONZE
- SGG PARSOL GREY

SGG PARSOL products are available in a range of thicknesses, from 3 mm to 12 mm, depending on the colour.

SGG PARSOL : manufacturing sizes			
	Nominal thickness (mm)	Tolerance on thickness (mm)	Maximum dimensions
BRONZE	3, 4, 5, 6	+/- 0,2	6 000 x 3 210
	8, 10, 12	+/- 0,3	
GREY	3, 4, 5, 6	+/- 0,2	6 000 x 3 210
GREEN	8, 10	+/- 0,3	

## Performance

The spectrophotometric performance of the most commonly used SGG PARSOL references are given for:

- Single glazing
- In SGG CLIMALIT double-glazed units combined with SGG PLANILUX
- In SGG CLIMAPLUS enhanced thermal insulation double-glazed units with SGG PLANITHERM TOTAL low-emissivity glass. The mechanical and acoustic performances are the same as a standard SGG PLANILUX glass of the same thickness.

SGG PARSOL																	
Single-glazing																	
SGG PARSOL		BRONZE						GREY					GREEN				
Thickness	mm	4	5	6	8	10	12	4	5	6	8	10	4	5	6	8	10
Weight	Kg/m <sup>2</sup>	10	12,5	15	20	25	30	10	12,5	15	20	25	10	12,5	15	20	25
<b>Light factor</b>																	
LT	%	60	54	49	40	33	27	55	49	43	34	26	79	76	73	68	63
LRe	%	6	6	5	5	5	5	6	5	5	5	5	7	7	7	6	6
LRi	%	6	6	5	5	5	5	6	5	5	5	5	7	7	7	6	6
UV	%	30	23	19	12	8	5	25	21	17	12	9	26	21	18	12	9
<b>Energy factor</b>																	
T	%	60	54	49	40	33	27	57	51	46	36	29	53	48	43	36	31
Re	%	6	6	5	5	5	5	6	6	5	5	5	6	6	5	5	5
Ri	%	6	6	5	5	5	5	6	6	5	5	5	6	6	5	5	5
A	%	34	40	45	55	62	68	37	44	49	59	66	41	47	51	59	64
Solar factor g		0,69	0,65	0,61	0,54	0,49	0,45	0,67	0,62	0,58	0,52	0,46	0,64	0,60	0,57	0,51	0,48
Shading		0,79	0,74	0,70	0,62	0,56	0,51	0,77	0,71	0,67	0,59	0,53	0,73	0,69	0,65	0,59	0,55
U-value	W/(m <sup>2</sup> .K)	5,8	5,8	5,7	5,7	5,6	5,5	5,8	5,8	5,7	5,7	5,6	5,8	5,8	5,7	5,7	5,6

Double-glazing					
External pane SGG PARSOL			Bronze	GREY	GREEN
Internal pane			SGG PLANILUX		
Composition	mm		6(12)6	6(12)6	6(12)6
<b>Light factor</b>					
LT	%		44	38	65
LRe	%		7	7	11
LRi	%		12	12	13
UV	%		13	14	14
<b>Energy factors</b>					
T	%		39	36	37
Re	%		7	7	7
A1	%		47	51	52
A2	%		6	6	4
Solar factor g			0,49	0,47	0,45
Shading Coefficient SC			0,57	0,53	0,52
U-value	W/(m <sup>2</sup> .K)				
Air			2,8	2,8	2,8

## Performances .../...

SGG CLIMAPLUS PARSOL				
Double-glazing				
External pane SGG PARSOL		Bronze	GREY	GREEN
Internal pane		SGG PLANITHERM TOTAL		
Composition (1)	mm	6(16)6	6(16)6	6(16)6
Low-E coating position	face	3	3	3
Light factor				
LT	%	43	37	63
LRe	%	7	6	9
LRe	%	10	9	11
UV	%	11	11	11
Energy factor				
T	%	30	28	32
Re	%	12	11	8
A1	%	51	54	55
A2	%	7	7	5
Solar factor g		0,39	0,36	0,39
Shading Coefficient		0,45	0,42	0,45
U-value	W/(m²,K)			
Air		1,4	1,4	1,4
Argon 90%		1,2	1,2	1,2

(1) Cavity width 15 or 16 mm

## Processed Product Variations

SGG PARSOL can undergo the same processes as SGG PLANILUX and is the base glass for many other processed products: coated glass, laminated glass, toughened, screen-printed, decorated, acid-etched, sandblasted, lacquered, edgeworked and silvered glass, as well as double-glazed units etc.



Sheffield Airport, Sheffield, UK •  
Architects : DBS Architects

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## Installation Guidelines

The installation possibilities and recommendations for sGG PARSOL are the same as standard clear glass. Depending on the application or location, sGG PARSOL may require heat treatment to avoid the risk of thermal breakage. See "Technical Support" section.



*Sheffield airport - Sheffield, U.K.  
Architecte: DBS Architects*

## Standards and Regulations

sGG PARSOL body-tinted glass conforms to standard BS EN 572-2 and carries the relevant CE mark as required.