



SAINT-GOBAIN
GLASS



SGG COOL-LITE® ST

*Versatile solar control
glass for conservatories
and roof glazing*



SAINT-GOBAIN GLASS COMFORT

SAINT-GOBAIN GLASS COMFORT *Solar Control*

SGG COOL-LITE® ST

Versatile solar control glass that can be toughened and curved

Applications

SGG COOL-LITE ST is a high performance solar control glass that can be handled like a hard coat.

This glass is easy to process as it has an extremely durable coating, so it is ideal for all types of domestic application:

- conservatory roofs
- windows
- doors
- summer houses
- patio doors
- green houses

Advantages

SGG COOL-LITE ST:

- offers processing flexibility as it can be toughened, laminated, screen-printed, enamelled and even curved
- is a stock item and therefore readily available from Eggborough
- does not require edge-deletion
- can easily be combined with other types of glass for:
 - thermal insulation (with the SGG PLANITHERM range)
 - acoustic insulation (with SGG STADIP SILENCE)

- security (with SGG STADIP or SGG STADIP PROTECT)
- privacy (with SGG SATINOVO)
- and now with SGG BIOCLEAR self-cleaning coating on face 1.†
- is neutral in transmission
- has a slightly bluish external reflection
- maintains its physical and aesthetic properties after toughening
- enhances visual comfort by filtering light and offers good solar control performance, hence keeping rooms cool during sunny periods

Description

SGG COOL-LITE ST is a coated glass, obtained by cathodic sputtering in a vacuum of several layers of metal oxides onto a clear SGG PLANILUX pane.

The manufacturing process and type of materials with which the glass is coated ensure that this coating offers excellent durability and resistance during handling.

These qualities enable this coated glass to be processed while still retaining its aesthetic and technical benefits.

SGG COOL-LITE ST can be used in single or double glazing, with the coating on face 2.

SGG COOL-LITE ST is stocked in 4mm/6mm* thickness in 6000mm x 3210mm and 3210mm x 2250mm dimensions.

Performance

Spectrophotometric data in accordance with EN 410, EN 673.

Solar Control double glazing with:

Glass	SGG COOL-LITE ST			
	External	SGG PLANILUX	SGG PLANITHERM TOTAL 1.3	SGG PLANITHERM TOTAL
Composition	mm	4(16)4	4(16)4	4(16)4
Position of Coating				
• solar control Face		2	2	2
• low-emissivity Face		N/A	3	3
Light Factors				
LT	%	47	44	45
LRe	%	21	20	20
LRI	%	22	18	19
UV Tuv	%	24	19	19
Solar Radiant Heat Factors				
T	%	40	31	32
Re	%	17	20	21
A1	%	39	41	42
A2	%	4	8	6
Solar Factor				
g EN 410		0.48	0.40	0.39
Shading Coefficient SC		0.55	0.46	0.45
U-Value	W/(m²K)			
16mm Air		2.7	1.5	1.4
90% argon filled cavity (EN1279)		N/A	1.3	1.2

SGG COOL-LITE ST meets the durability requirements of class B of European standards EN1096-1 and -2.

* A 6mm leaflet is also available.

For more information please contact Marketing.

† Please contact SGG UK for details of availability.

SGG COOL-LITE, SGG PLANILUX, SGG PLANITHERM, SGG STADIP, SGG SATINOVO, SGG STADIP PROTECT, SGG STADIP SILENCE, SGG BIOCLEAR and all other devices and logos are registered trademarks of Saint-Gobain.



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