

SGG COOL-LITE® ST150

*Versatile solar control
glass that can be
toughened and curved*



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Applications

SGG COOL-LITE ST150 is a solar control glass that can be toughened and curved.

It can therefore be used for a wide range of architectural solutions by building designers.

Its properties make SGG COOL-LITE ST150 ideal for all types of construction, whether for major architectural projects or smaller buildings:

- office blocks
- shops
- educational establishments
- industrial buildings
- housing

SGG COOL-LITE ST150 is also recommended for constructing greenhouses, conservatories and overhead glazing.

Advantages

SGG COOL-LITE ST150:

- offers designers enormous architectural and technical flexibility
- can be toughened, enamelled, screen-printed, laminated and even curved
- can easily be combined with other types of glass for:

- enhanced thermal insulation (with SGG PLANITHERM range)
- acoustic insulation (with SGG STADIP SILENCE)
- security (with SGG STADIP or SGG STADIP PROTECT)
- and now with SGG BIOCLEAR self-cleaning coating on face 1.†
- is neutral in transmission and offers clarity of appearance
- has a slightly bluish external reflection
- enhances visual comfort by filtering light and offers good solar control performance, hence reducing air-conditioning costs

Description

SGG COOL-LITE ST150 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 ST150 can be used in single or double glazing, with the coating on face 2.

SGG COOL-LITE ST150 is stocked in 4mm and 6mm* thickness in 6000mm x 3210mm and 3210mm x 2250mm dimensions.

Performance

Spectrophotometric data in accordance with EN 410, EN 673.

SGG CLIMAPLUS double glazing with SGG COOL-LITE ST150:

Glass		SGG COOL-LITE ST150	
External		SGG PLANITHERM TOTAL	
Internal		SGG PLANITHERM ULTRA N	
Composition	mm	6(16)6	6(15)6
Position of Coating			
• solar control Face		2	2
• low-emissivity Face		3	3
Light Factors			
LT	%	44	45
LRe	%	19	19
LRI	%	18	18
UV Tuv	%	17	16
Solar Radiant Heat Factors			
T	%	29	28
Re	%	19	20
A1	%	45	45
A2	%	7	7
Solar Factor			
g _{EN 410}		0.37	0.37
Shading Coefficient SC		0.43	0.42
U-Value		W/(m²K)	
16mm Air		1.4	1.3
90% argon filled cavity (EN1279)		1.2	1.1

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

* Other thicknesses on request.

† 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.