

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 is a very versatile glass:

- it offers designers enormous architectural and technical flexibility:
  - it can not only be curved and toughened, but also enamelled, screen-printed or laminated
- it can easily be combined with other types of glass to provide:
  - enhanced thermal insulation (for example with SGG PLANITHERM FUTUR N)
  - acoustic insulation (with SGG STADIP SILENCE)

- security (with SGG STADIP or SGG STADIP PROTECT)
- it is neutral in transmission and offers clarity of appearance
- it has a slightly bluish external reflection
- it enhances visual comfort by filtering light and offers good solar control performance, hence reducing air-conditioning costs during sunny periods.

## Description

SGG COOL-LITE ST150 is a coated glass, obtained by cathodic sputtering in a vacuum of several layers of metal onto a SGG PLANILUX clear float glass.

The manufacturing process and type of materials with which the glass is coated ensure that this coating offers excellent resistance and stability over time.

These qualities enable this coated glass to be processed (curving, toughening, enamelling, etc), while still retaining its aesthetic and technical benefits. It can be used for single or double glazing, with the coating on the inside of the external pane (face 2).

SGG COOL-LITE ST150 is available in 6, 8 and 10 mm thicknesses (12 mm on request), in 6000 mm x 3210 mm and 3210 mm x 2250 mm dimensions.

## Performance

Spectrophotometric data in accordance with EN

SGG CLIMAPLUS double glazing with SGG COOL-LITE ST150		
Glass		
External	SGG COOL-LITE ST150	
Internal	SGG PLANITHERM FUTUR N	
Composition	mm	6(15)6
Position of Coating		
• solar control	Face	2
• low-emissivity	Face	3
Light Factors		
LT	%	44
LRe	%	19
LRi	%	18
UV		
UV	%	15
Solar Radiant Heat Factors		
T	%	28
Re	%	19
A1	%	45
A2	%	7
Solar Factor		
g EN 410		0.37
g ISO 9050 M1 (DIN)		0.36
U-Value	W/(m <sup>2</sup> K)	
15 mm Argon 90%		1.2
12mm Air*		1.6

\*U-value given for a 6(12)6 with air composition.

SGG COOL-LITE ST150 meets the durability requirements of class B of European standards EN1096-1 and -2.

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