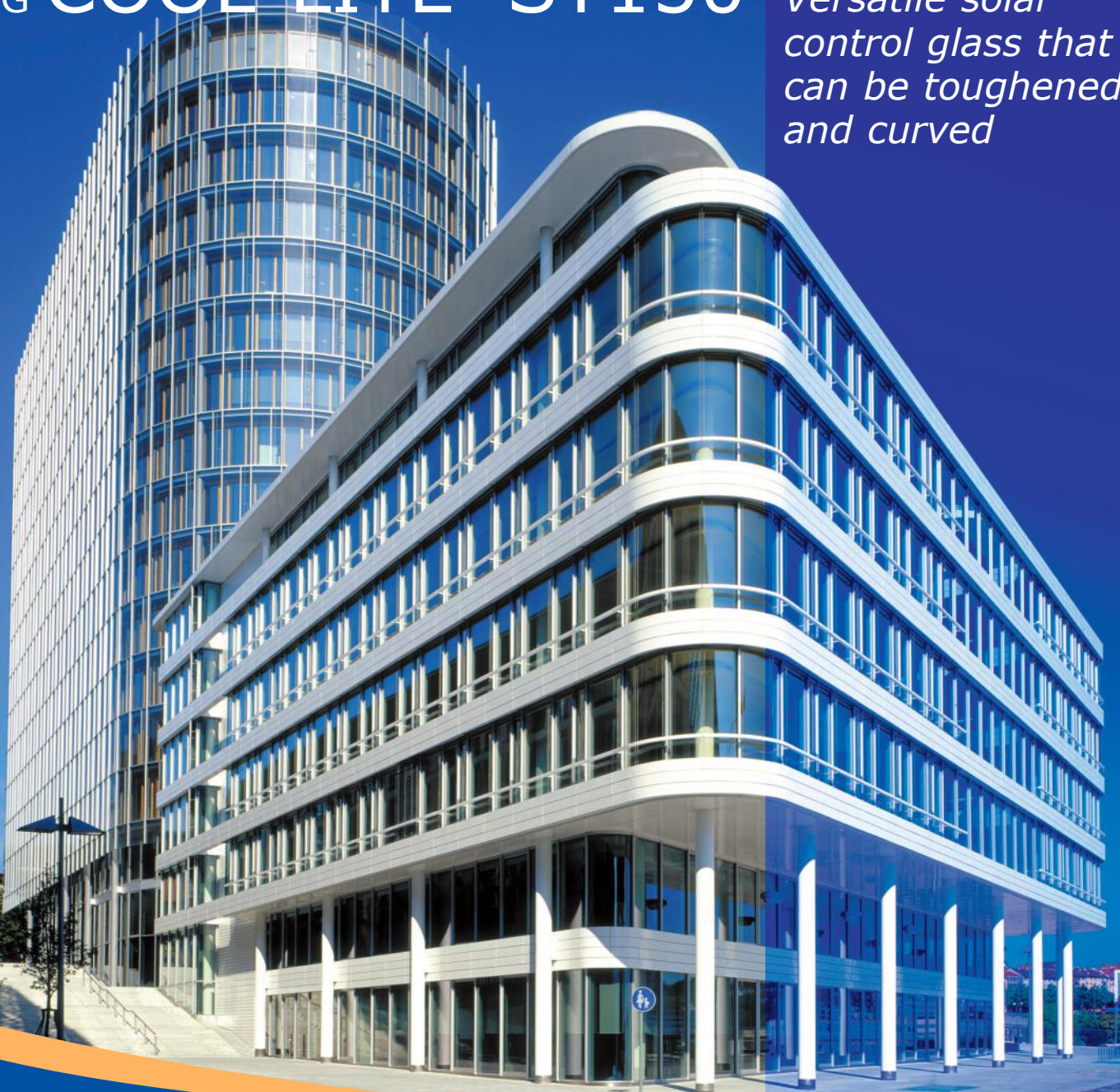


# SGG COOL-LITE® ST150

*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.

## 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 PLANICLEAR 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.

## Benefits

SGG COOL-LITE ST150:

- offers designers enormous architectural and technical flexibility
- can be toughened, laminated, screen-printed, enamelled and even curved
- can easily be combined with other types of glass for:
  - Enhanced thermal insulation (with the SGG PLANITHERM range)
  - Acoustic insulation (with SGG STADIP SILENCE)
  - Security (with SGG STADIP/STADIP PROTECT)
  - Privacy (with SGG SATINOVO)
  - Self-cleaning (with SGG BIOCLEAR)\*
- 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

## Range

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

## Technical Specifications

### Performance Data

	DGU with SGG COOL-LITE ST150	
<b>Internal Pane</b>	SGG PLT TOTAL +	SGG PLT ULTRA N
<b>External Pane</b>	SGG COOL-LITE ST150	
<b>Composition in mm</b>	4(16)4	
<b>Coating Positions</b>	Face 2	
<b>Solar Control</b>		
<b>low-E</b>	Face 3	
<b>LT</b>	46%	
<b>LRe</b>	20%	
<b>LRi</b>	20%	19%
<b>T</b>	36%	32%
<b>Re</b>	18%	21%
<b>A1</b>	41%	43%
<b>A2</b>	5%	
<b>g-value*</b>	0.42	0.37
<b>Shading Coefficient</b>	0.49	0.43
<b>U-Value in W/m²K Air</b>	1.4	
<b>90% Argon</b>	1.2	1.1

SGG COOL-LITE ST150 meets the durability requirements of class B of European standards EN 1096-1 and -2.  
 \*Light and solar performance according to EN 410 & EN 673  
 \*\* A 4mm leaflet is also available. For more information please contact marketing.  
 † Please contact SGG UK for details of availability.

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



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