

SGG COOL-LITE®  
SKN 176/176 II

*High performance  
solar control glass  
with advanced  
thermal insulation  
properties and  
excellent neutrality*

# SGG COOL-LITE® SKN 176/176 II

*Combining high performance solar control with excellent neutrality, for applications requiring high light transmittance combined with a low g-value.*

## Description

SGG COOL-LITE® SKN 176/176 II is a solar control product that features a high performance coating. The coating is applied to SGG PLANICLEAR® float glass by cathodic sputtering under vacuum conditions.

SGG COOL-LITE® SKN 176/176 II forms part of the ever-evolving range of neutral solar control coatings from Saint-Gobain Glass. In order to achieve its superior thermal properties, solar control performance and neutral appearance, SGG COOL-LITE® SKN 176 II must always be toughened or heat-strengthened before assembly into a double-glazed unit.

## Applications

SGG COOL-LITE® SKN 176/176 II is a solar control coating for use in residential or commercial buildings, either for façades or overhead glazing. Due to the unique properties of the coating, it is ideally suited to applications requiring a high light transmittance, low g value and excellent neutrality.

The 4mm option allows the product to be used in applications such as high end residential / low end commercial applications. This extended functionality allows more design flexibility whilst retaining excellent neutral aesthetics.

## Benefits

SGG COOL-LITE® SKN 176/176 II balances the advantages of a high performance neutral solar control product with:

- High light transmission 70%
- Low g-value of 37%
- Excellent U-value of 1.0 W/m<sup>2</sup>K
- High degree of neutrality

SGG COOL-LITE® SKN 176/176 II can be used to create more comfortable interiors by reducing overheating and the need for costly air conditioning, whilst at the same time noticeably reducing excessive heat loss. The high light transmittance also reduces the requirement for interior lighting during daylight hours, helping reduce energy costs even further.

## Instructions for use

For optimum performance and aesthetics SGG COOL-LITE® SKN 176 II must always be toughened or heat-strengthened before assembly into a insulating-glazed unit. SGG COOL-LITE® SKN 176/176 II must also be edge-deleted and should always be positioned on face 2 of a double or triple glazed unit for optimum performance. Please see or request the SGG COOL-LITE® SKN handling guidelines for more information.

## Range

SGG COOL-LITE® SKN 176/176 II is available in 6000mm x 3210mm and 3210mm x 2550mm dimensions and in 4, 6, 8 and 10mm thicknesses allowing for increased flexible design capabilities.

## Technical specifications

### Performance Data

	DGU with SGG COOL-LITE®
Internal Pane	SGG PLANICLEAR®
External pane	SGG COOL-LITE® SKN 176/176 II
Composition in mm	6/16/4
Coating Positions	Face 2
Light transmission	70%
Light reflectance	13%
g-value	37%
U-Value in W/m <sup>2</sup> K	1,0

### SAINT-GOBAIN GLASS

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