

## TITLE

SGG PLANISTAR SUN

## SUBTITLE

Low- E glass 4 seasons comfort



## DESCRIPTION

SGG PLANISTAR SUN is a low- E, neutral soft coated glass. The metallic oxide coating is deposited onto the clear float glass SGG PLANILUX under vacuum conditions. The coating reflects both long and short wave infra- red radiation and so provides:

Excellent thermal insulation  
Good solar control

## RANGE

Available on clear float glass SGG PLANILUX

Dimensions: 6000\*3210 mm

Thicknesses: 4, 6 and 8 mm

SGG BIOCLEAN PLANISTAR SUN available on size 6000\*3210 mm and 6 mm thickness.

SGG PLANISTAR SUN is available in laminated glass in 6000\*3210 mm:

Safety and security: SGG STADIP PROTECT

Safety and acoustic insulation: SGG STADIP SILENCE

## PERFORMANCE

DGU 6+12+6mm with SGG PLANILUX

Product	SGG PLANISTAR SUN
Light transmittance LT (%)	70
Solar factor g	0.36
Shading coefficient (SC)	0.42
External light reflectance LRe (%)	13
Internal light reflectance LRI (%)	15
U- Value (EN 673) W/ (m <sup>2</sup> .K)	
12mm air	1.6
16mm argon	1.0

## PROCESSING CAPABILITIES

SGG PLANISTAR SUN should always be manufactured into a double glazed unit. The coating should always be placed facing the cavity of the double glazed unit, on face 2.

As SGG PLANISTAR SUN is a soft- coated low- E glass, certain considerations should be taken when processing the glass into double glazed units.

### Storage

SGG PLANISTAR SUN should be stored in a dry and well- ventilated location. The glass must be processed within a certain time period. Please ask for details.

### Handling and cutting

- Avoid all direct contact with the coated surface.
- Always wear suitable protective gloves.
- Always place on the cutting table with the coated surface facing upwards.
- The coated surface should either be cut in dry conditions or by using special cutting oil.

### Edge stripping

The coating along the edges of the sheets must be removed prior to manufacture into a double glazed unit. This is to ensure adhesion to the spacer bar of the double glazed unit.

## Washing

Use a washing machine which is capable of washing coated glasses.

Please speak to SAINT- GOBAIN GLASS for further advice in handling soft coated low- E glasses.

## PRODUCTAPPLICATION

SGG PLANISTAR SUN double glazed units offer improved thermal insulation along with solar control and high levels of light transmission. The neutral appearance of the glass enables the product to be used in a wide variety of applications in both new build and refurbishment. It is ideally suited for use in homes with large areas of glazing and south or west facing windows and in public or commercial buildings (hospitals, schools, hotels, restaurants, sports centres, shopping centres etc).

## ADVANTAGE

Comfort in all seasons!

### In Winter

SGG PLANISTAR SUN double glazing provides 3 times more heat insulation than standard double glazing and this offers many advantages:

- Improved comfort near large areas of glazing because cold spots and drafts are minimised.
- Energy savings, due to reduced heating requirements.
- Environmental protection, due to this reduction in energy used for heating.
- Reduced condensation on the inside of the windows, as the interior pane is kept closer to room temperature.
- The opportunity to increase the size of glazed areas without increasing heating requirements

### In Summer

Due to the fact that it also blocks twice as much direct heat from the sun, SGG PLANISTAR SUN offers remarkable advantages:

- Improved comfort, due to a more agreeable interior temperature being maintained.
- A reduction in the running costs, where there is air conditioning.
- A reduction in the transmission of UV rays, which protects home furnishings

### Also:

- The appearance of SGG PLANISTAR SUN is neutral both in transmission and in reflection and is almost the same as that of standard double glazing.
- When used in renovation projects, the SGG PLANISTAR SUN double glazed units can be used in existing frames.
- The multi- functionality of SGG PLANISTAR SUN can be further enhanced by using it with other types of glass to provide acoustic insulation, security, decoration or privacy.