

## TITLE

SGG PLANITHERM®

## SUBTITLE

High performance low- emissivity glass



## DESCRIPTION

SGG PLANITHERM is high performance low- emissivity products, incorporating the very latest advancements in thermally insulating glass coating technology.

Renowned for its extremely neutral appearance, SGG PLANITHERM very effectively reflects long- wave heat radiation back into a room, thereby minimising heat loss through a window while also maximising solar heat gain and natural light transmission.

Manufactured on SAINT- GOBAIN GLASS China's 'magnetron' coater, a combination of microscopically thin multiple metal oxide layers are applied to high quality clear float glass using a magnetically enhanced cathodic sputtering process under vacuum conditions.

Depending on the composition of these transparent coating layers, several different products can be produced, distinguishable by the thermal performance, spectrophotometric values and processing characteristics.

## RANGE

Thickness: 3mm, 4mm, 5mm, 6mm, 8mm, 10mm, 12mm

Max :	6mm(4200mm*2440mm)
	8mm/10mm(4200mm/4500mm*2440mm)

## PRODUCT APPLICATION

SGG PLANITHERM is designed for use in all double glazing applications, in all frame types for both new- build and replacement markets:

windows and skylights in residential buildings and private domestic housing  
 conservatories and patio doors  
 windows and façades of non- residential buildings.  
 industrial freezer

## ADVANTAGE

The SGG PLANITHERM range offers many features which set it apart from traditional low- E products, helping to give processors and window fabricators man added edge in an increasingly discerning and competitive market.

### Enhanced Thermal Insulation

A double- glazed unit incorporating SGG PLANITHERM is up to 3 times more thermally efficient than an ordinary double- glazed unit and offers significantly better thermal insulation compared to traditional hard coated low- E products:

- Considerable reductions in heating bills
- Reduces condensation on the inner pane
- Improved comfort with less drafts and cold spots near glazed areas
- Environmentally friendly solution, given the lower CO2 emissions associated with reduced energy consumption
- Facilitates compliance with building regulations for a wider range of frame designs

### Neutral Appearance

The Planitherm coatings are remarkably neutral in both transmission and reflection as opposed to traditional hard coated low- E products which typically have a yellow/ brown tint.

### Exceptional Clarity

The SGG PLANITHERM range offers a high level of light transmittance, maximising the entry of natural daylight into the building. These types of coatings also benefit from a lack of the 'haze effect' commonly associated with hard coated products.