

## TITLE

SGG PLANITHERM®1.3/1.3T

## SUBTITLE

High performance low- emissivity glass



## DESCRIPTION

SGG PLANITHERM® 1.3/1.3T is the high transmittance range of 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.

The SGG PLANITHERM coating is generally positioned on face 2 of a double glazed unit though it is possible to place the coating on face 3. And it can also be associated with other solar control coatings(coated on face 2) when PLANITHERM coating place on face 3.

The high transmission and great thermal performance allow architects and specifiers to utilise large areas of glazing and create bright, and especially is ideal suitable for application in north regions of China.

## RANGE

Product	Thickness	Dimension
PLT1.3/1.3T	3mm	3050mm*2134mm 3210mm*2250mm 3150mm*2250mm
	4mm	3050mm*2134mm/2440mm 3300mm*2134mm/2440mm 3210mm*2250mm
	5mm	3050mm*2134mm/2440mm 3300mm*2134mm/2440mm
	6/8/10mm	3050mm*2134mm/2440mm 3300mm*2134mm/2440mm 3660mm*2540mm
	12mm	3050mm*2134mm/2440mm 3300mm*2134mm/2440mm

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

## PERFORMANCE

Product	Structure	Face	Luminous factor (%)		SC	U value (W/m <sup>2</sup> -K)	
			TL	RLe		Air	Argon
PLT1.3 /1.3T	5-9-5	2	76	12	0.66	2.1	1.7
		3	76	12	0.74	2.1	1.7
	6-9-6	2	75	12	0.65	2.1	1.7
		3	75	12	0.73	2.1	1.7
	6-12-6	2	75	12	0.65	1.8	1.4
		3	75	12	0.74	1.8	1.4
	6-16-6	2	75	12	0.65	1.5	1.3
		3	75	12	0.74	1.5	1.3

## PRODUCT APPLICATION

SGG PLANITHERM® 1.3T 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.

freezer

#### ADVANTAGE

A double-glazed unit incorporating <sup>SGG</sup> PLANITHERM is 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 CO<sub>2</sub> emissions associated with reduced energy consumption

Facilitates compliance with building regulations for a wider range of frame designs

Neutral Appearance