

# SGG PLANITHERM

## SGG SATIN BLUE (PLT TB)

WELL – LIT SPACES WITH PRISTINE VIEWS

OFFERING ADVANCED OCCUPANT COMFORT



# SGG SATIN BLUE (PLT TB)

SGG Planitherm SATIN BLUE is an advanced thermal insulation glass for energy efficient glazing. Manufactured by deposition of specialized metallic oxides, SGG Planitherm is created using a magnetically enhanced Nano - technology based sputtering process. Its pristine views help you enjoy natural views in your living space. SGG Planitherm redefines the art of glazing by adding comfort to your life.

## FEATURES

SGG Satin Blue is engineered exclusively for buildings that need ample daylight.

- High thermal insulation
- Enhanced light transmission
- Subtle reflections
- Clear views



### THICKNESSES

- Standard thicknesses of 4mm, 5mm, 6mm are available
- 8mm available on special request.



### PROCESSING

To obtain its performance and aesthetics, SGG Satin Blue must be

- Tempered /Heat Strengthened
- Assembled into an IGU

SGG Satin Blue can also be used as

- Laminated units
- Bent units



### APPLICATIONS

- Structural glazing
- Façade glazing
- Bolted systems
- Curtain wall glazing
- Fenestration applications.
- Best suited for buildings having high indoor daylighting requirements



### SUSTAINABILITY

As the world leader in glass manufacturing for the construction market, Saint-Gobain worldwide is committed to provide innovative solutions to two key challenges of the future:

- Environmental protection
- Energy savings
- SGG SATIN BLUE conforms to:



**AGR**  
Active Glare Reduction

Planitherm Satin Blue, an energy efficient glass on a tinted base comes with **Active Glare Reduction**, filtering out glare like none other. So that you get to enjoy enhanced visual comfort, higher productivity and a whole world of wellbeing.

## PRODUCT PERFORMANCE

### SGG SATIN BLUE (PLT TB)

6 mm Coated Glass (Coating Face 2) – 12 mm Air Gap – 6 mm Clear Glass

LIGHT FACTORS		
TRANSMISSION (%)	REFLECTION (%)	
	EXTERNAL	INTERNAL
48	7	11

(EN)	ENERGY FACTORS		(EN)
SOLAR FACTOR	SHADING CO-EFFICIENT	U-VALUE	
SHGC / SF	SC	(W/Sq.m K)	
0.35	0.40	1.8	

(NFRC)	ENERGY FACTORS		(NFRC)
SOLAR FACTOR	SHADING CO-EFFICIENT	U-VALUE	
SHGC / SF	SC	(W/Sq.m K)	
0.34	0.39	1.8	

Thermal transmittance factors are determined by EN 673  
Solar and Luminous factors are determined by EN 410

Solar Characteristics as per NFRC 200/300-2010  
Thermal Transmittance as per NFRC 100 -2010.



# SGG SATIN BLUE (PLT TB)

SGG SATIN BLUE UNDER SUNNY CONDITIONS



SGG SATIN BLUE UNDER OVERCAST CONDITIONS

