

# SGG COOL-LITE SGG PLATINUM (ST 108)

ADVANCED SOLAR CONTROL GLASS  
OFFERING OCCUPANT PRIVACY



# SGG PLATINUM (ST 108)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. In addition to solar protection, SGG Platinum offers occupant privacy with its reflective finish.

## FEATURES

SGG Cool-Lite offers flexibility in terms of application, thereby suited for a huge spectrum of varied types of building. SGG Platinum has the following features

- High external reflection
- Solar control
- UV protection
- Minimum visual glare
- Versatility in aesthetics and performance



## THICKNESSES

- Standard thicknesses of 4mm, 5mm and 6mm
- 8mm, 10mm and 12mm are available on special request



## PROCESSING

- SGG Platinum is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Platinum can be
  - Tempered /Heat Strengthened
  - Assembled into an IGU
  - Laminated units
  - Bent units



## APPLICATIONS

- Windows
- Skylights
- Structural glazing
- Façade glazing
- Bolted systems
- Curtain wall glazing
- Fenestration applications.



## SUSTAINABILITY

As the world leader in glass manufacturing for the construction market, Saint-Gobain worldwide is committed to provide innovative solutions.

SGG Platinum can add value in occupant comfort, energy efficiency and is a sustainable product with recycled content. This will suit the requirements of green building labelling systems like:



SGG PLATINUM products conform to:



## SAINT-GOBAIN GUARANTEE

654 PPI

PURITY KA PERFECT MEASURE.



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## PRODUCT PERFORMANCE

### SGG PLATINUM (ST 108)

SGU: 6 mm Coated Glass (Coating Face 2)

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

#### LIGHT FACTORS

TYPE	TRANSMISSION (%)	REFLECTION (%)	
		EXTERNAL	INTERNAL
SGU	9	43	34
DGU	8	43	36

Luminous factors calculated with CIE (15-2004) D65 lighting Conditions

#### ENERGY FACTORS

(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.14	0.16	3.6
0.1	0.11	1.9

Solar Transmission Characteristics as per EN 410  
Thermal Conductance as per EN 673

#### ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE SUMMER
SHGC / SF	SC	(W/Sq.m K)
0.16	0.18	3.7
0.11	0.13	1.9

Solar Transmission Characteristics as per NFRC 200/300  
Thermal Conductance as per NFRC 100

# SGG PLATINUM (ST 108)

SGG PLATINUM UNDER SUNNY CONDITIONS



SGG PLATINUM UNDER OVERCAST CONDITIONS

