

# SGG COOL-LITE

## SGG BLUE GREEN (ST 450)

ADVANCED SOLAR CONTROL GLASS  
OFFERING OCCUPANT COMFORT



  
SAINT-GOBAIN

# SGG BLUE GREEN (ST 450)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Blue Green is an energy efficient glass on a green tinted base. It offers occupant comfort with its advanced solar control property.

## FEATURES

SGG Cool-Lite offers flexibility in terms of application, thereby suited for varied types of building. SGG Blue Green has the following features:

- Green tinted substrate
- Solar control
- UV protection
- Optimum light transmission
- Versatility in aesthetics and performance



## THICKNESSES

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



## PROCESSING

SGG Blue Green is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Blue Green 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 Blue Green 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 Blue Green products conform to:



## SAINT-GOBAIN GUARANTEE

**654**  
PPM

PURITY KA  
PERFECT  
MEASURE.



TO KNOW MORE ON  
PRODUCT  
SELECTION, REACH  
OUT TO US HERE

## PRODUCT PERFORMANCE

### SGG BLUE GREEN (ST 450)

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	42	14	17
DGU	38	15	22

#### ENERGY FACTORS

(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.43	0.49	5.6
0.33	0.37	2.8

#### ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.46	0.53	5.7
0.35	0.4	2.7

# SGG BLUE GREEN (ST 450)

SGG BLUE GREEN UNDER SUNNY CONDITIONS



SGG BLUE GREEN UNDER OVERCAST CONDITIONS

