

# SGG EVOLITE

## SGG EVOLITE GREEN (ET 450)

ADVANCED THERMAL INSULATION  
OFFERING OCCUPANT PRIVACY

### WINTER

Choose a glass with low U-Value to keep your living spaces warm.

SGG EVO  
ONE SOLUTION FOR ALL SEASONS

### SUMMER

Choose a glass with very low Solar Heat Gain Co-Efficient to keep your living spaces cool.

# SGG EVOLITE GREEN (ET 450)

SGG Evolite Green is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Evolite Green is an energy efficient glass on a green tinted base. It offers high performance across all seasons.

## FEATURES

SGG Evolite Green is a cutting-edge product that offers dual advantages of solar protection and thermal insulation in both single and double Glazing applications.

- Green tinted substrate
- Solar control
- Advanced thermal insulation
- Lowest U value in SGUs
- UV protection
- Better night view due to low internal reflection



## THICKNESSES

- Standard thicknesses of 5mm and 6mm are available
- 8mm available on special request



## PROCESSING

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



## SAINT-GOBAIN GUARANTEE

654 PPI

PURITY KA  
PERFECT  
MEASURE.



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

## PRODUCT PERFORMANCE

### SGG EVOLITE GREEN (ET 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	41	10	11
DGU	37	12	17

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)
0.39	0.45	5.0
0.30	0.34	2.6

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

#### ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.45	0.51	4.4
0.32	0.37	2.6

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

# SGG EVOLITE GREEN (ET 450)

SGG EVOLITE GREEN UNDER SUNNY CONDITIONS



SGG EVOLITE GREEN UNDER OVERCAST CONDITIONS

