

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 PPM

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)
0.43	0.49	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

