

SGG COOL-LITE

SGG TURQUOISE (ST 436)

ADVANCED SOLAR CONTROL GLASS
OFFERING OCCUPANT COMFORT



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SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Turquoise 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 Turquoise 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 and 6mm are available.
- 8mm available on special request



PROCESSING

SGG Turquoise is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Turquoise 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 Turquoise 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 Turquoise 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 TURQUOISE (ST 436)

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	31	17	18
DGU	28	17	22

ENERGY FACTORS

(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.35	0.41	5.5
0.26	0.3	2.7

ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.4	0.46	5.6
0.28	0.32	2.6

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SGG TURQUOISE UNDER SUNNY CONDITIONS



SGG TURQUOISE UNDER OVERCAST CONDITIONS

