SGG COOL-LITE
SGG GRAPHITE (ST 136)

ADVANCED SOLAR CONTROL GLASS

OFFERING GREY APPEARANCE

SAINT-GOBAIN

SGG GRAPHITE (ST 136)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Graphite offers occupant comfort with its advanced solar control property and makes the building stand out with pristine grey aesthetics.

FEATURES

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

- Grey appearance
- Solar control
- UV protection
- Optimum light transmission
- Minimum visual glare
- Versatility in aesthetics and performance

THICKNESSES

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

PROCESSING

SGG Graphite is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Graphite 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 Graphite 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 Graphite 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 GRAPHITE (ST 136)

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

TYPE	LIGHT FACTORS			ENERGY FACTORS			ENERGY FACTORS		
	TRANSMISSION	REFLECTION (%)		(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE	(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE SUMMER
	(%)	EXTERNAL	INTERNAL	SHGC / SF	SC	(W/Sq.m K)	SHGC / SF	SC	(W/Sq.m K)
SGU	37	22	18	0.43	0.5	5.5	0.46	0.52	5.6
DGU	34	23	23	0.35	0.4	2.7	0.37	0.42	2.6

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

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

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

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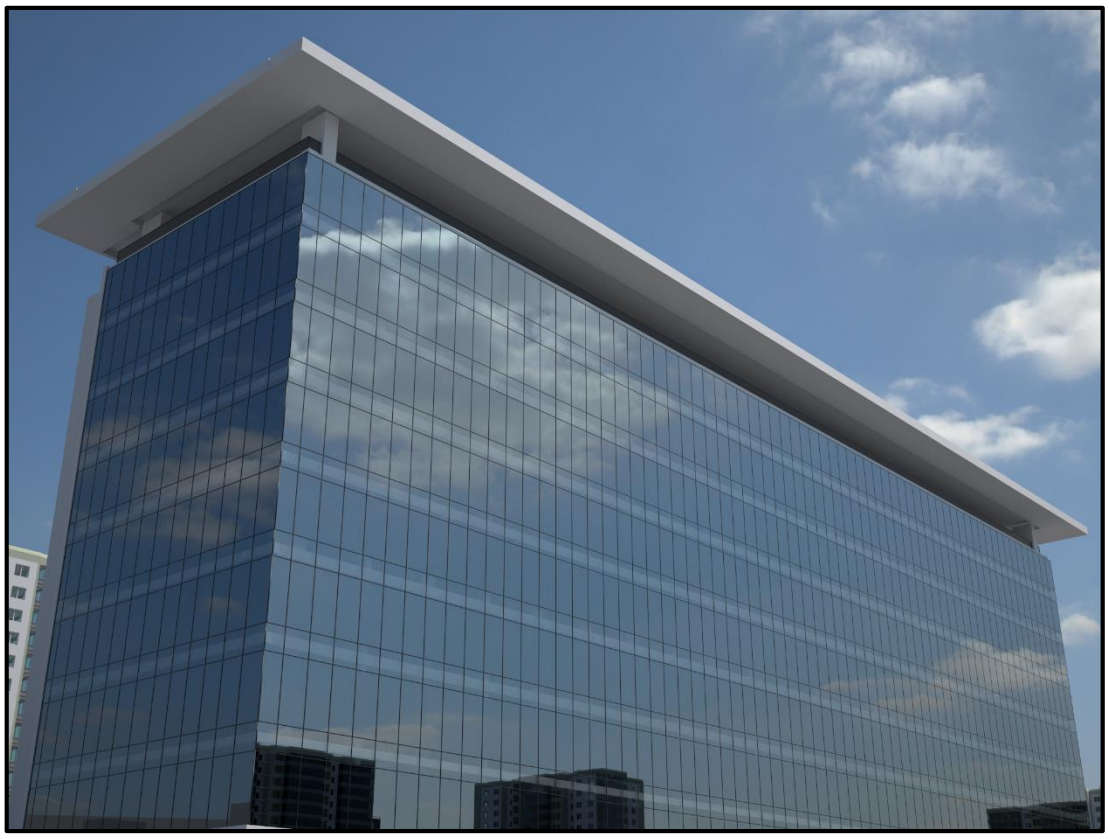
SGG GRAPHITE UNDER SUNNY CONDITIONS



SGG GRAPHITE UNDER OVERCAST CONDITIONS