

SGG COOL-LITE

SGG TITANIUM BLUE (STB 120)

ADVANCED SOLAR CONTROL GLASS

OFFERING NATURAL BLUE APPEARANCE



SGG TITANIUM BLUE (STB 120)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Titanium Blue gives natural blue appearance on a neutral substrate. It offers occupant comfort with its advanced solar control property and makes the building stand out with natural blue aesthetics.

FEATURES

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

- Natural Blue appearance
- Solar control
- UV protection
- 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 Titanium Blue is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Titanium Blue 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 Titanium Blue 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 Titanium Blue products conform to:



SAINT-GOBAIN GUARANTEE

654 PPM

PURITY KA
PERFECT
MEASURE.



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PRODUCT PERFORMANCE

SGG TITANIUM BLUE (STB 120)

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	22	21	29
DGU	20	21	32

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)
0.32	0.37	5.2
0.24	0.27	2.7

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

ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE SUMMER
SHGC / SF	SC	(W/Sq.m K)
0.36	0.41	5.3
0.26	0.28	2.5

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

SGG TITANIUM BLUE (STB 120)

SGG TITANIUM BLUE UNDER SUNNY CONDITIONS



SGG TITANIUM BLUE UNDER OVERCAST CONDITIONS

