

SGG COOL-LITE

SGG STERLING SILVER (ST 120)

ADVANCED SOLAR CONTROL GLASS
OFFERING OCCUPANT COMFORT



SGG STERLING SILVER (ST 120)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Sterling Silver offers occupant comfort with its high external reflection and advanced solar control property.

FEATURES

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

- Solar control
- High External Reflection
- 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 Sterling Silver is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Sterling Silver 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 Sterling Silver 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 Sterling Silver products conform to:



SAINT-GOBAIN GUARANTEE

654 PPI

PURITY KA
PERFECT
MEASURE.



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PRODUCT PERFORMANCE

SGG STERLING SILVER (ST 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	20	32	27
DGU	18	32	30

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)
0.29	0.33	5.2
0.21	0.25	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 SUMMER
SHGC / SF	SC	(W/Sq.m K)
0.32	0.37	5.2
0.24	0.27	2.5

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

SGG STERLING SILVER (ST 120)

SGG STERLING SILVER UNDER SUNNY CONDITIONS



SGG STERLING SILVER UNDER OVERCAST CONDITIONS

