

SGG COOL-LITE

SGG AQUAMARINE (ST 420)

ADVANCED SOLAR CONTROL GLASS
OFFERING OCCUPANT COMFORT



SGG AQUAMARINE (ST 420)

SGG Cool-Lite is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Aquamarine 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 Aquamarine has the following features:

- Green tinted substrate
- Solar control
- UV protection
- Versatility in aesthetics and performance



THICKNESSES

- Standard thicknesses of 4mm, 5mm, 6mm are available.
- 8mm available on special request



PROCESSING

SGG AQUAMARINE is suited for use in both single and double glazed units. To obtain its performance and aesthetics, SGG Aquamarine 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 Aquamarine 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 Aquamarine products conform to:



SAINT-GOBAIN GUARANTEE

654
PPM

PURITY KA
PERFECT
MEASURE.



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PRODUCT
SELECTION, REACH
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PRODUCT PERFORMANCE

SGG AQUAMARINE (ST 420)

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	17	23	27
DGU	15	24	30

ENERGY FACTORS

(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.27	0.31	5.2
0.18	0.2	2.6

ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.32	0.37	5.2
0.21	0.24	2.5

SGG AQUAMRINE (ST 420)

SGG AQUAMRINE UNDER SUNNY CONDITIONS



SGG AQUAMRINE UNDER OVERCAST CONDITIONS

