

SGG ENVISION

SGG QUARTZ (SKN 146)

OPTIMUM LIGHT TRANSMISSION WITH ULTRA NEUTRAL APPEARANCE
OFFERING ADVANCED OCCUPANT THERMAL COMFORT

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SGG Quartz is an energy-efficient glass engineered for optimum daylighting and superior solar control to ensure enhanced occupant comfort. SGG Quartz is a performance-oriented glass that optimizes daylighting while cutting the heat ingress.

FEATURES

SGG Quartz is a neutral glass designed to lend buildings a quiet sophistication and understated elegance. It is perfect for architecture that is meant to leave a silent, yet impressive impact.

- Ultra neutral appearance
- Low solar factor
- Low U-Value
- Optimal Light Transmission
- Optimum internal and external reflections
- Glare free indoors
- UV protection

THICKNESSES

- Standard thickness of 6mm available
- 8mm, 10mm and 12mm are available on special request

PROCESSING

To obtain its performance and aesthetics, SGG Quartz must be

- Tempered /Heat Strengthened
- Assembled into an IGU

SGG Quartz can also be used as

- Laminated units
- Bent units

APPLICATIONS

- Structural glazing
- Façade glazing
- Bolted systems
- Curtain wall glazing
- Fenestration applications
- Best suited for iconic facades with extensive glass requirements

SUSTAINABILITY

As the world leader in glass manufacturing for the construction market, Saint-Gobain worldwide is committed to provide innovative solutions.

SGG Quartz 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 Quartz products conform to:



SAINT-GOBAIN GUARANTEE

654 PPI

PURITY KA
PERFECT
MEASURE.



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PRODUCT
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PRODUCT PERFORMANCE

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

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
(%)	EXTERNAL	INTERNAL	SHGC / SF	SC	(W/Sq.m K)	SHGC / SF	SC	(W/Sq.m K)
40	11	11	0.24	0.27	1.6	0.25	0.29	1.6

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 QUARTZ UNDER SUNNY CONDITIONS



SGG QUARTZ UNDER OVERCAST CONDITIONS

