SGG ENVISION SGG STELLAR (SKN 765)

HIGH SPECTRAL SELECTIVITY (LIGHT-HEAT RATIO)
OFFERING ADVANCED OCCUPANT THERMAL COMFORT





sgg STELLAR (SKN 765)

SGG Stellar is an advanced Solar and Thermal insulation glass for energy efficient glazing. Manufactured hν of specialized deposition metallic oxides, SGG Envision is created using a magnetically enhanced Nano - technology based cathodic sputtering process, and is the most energy efficient glass in its class.

FEATURES

SGG STELLAR is engineered exclusively for buildings that need a seamless balance of natural lighting and Solar control.

- High spectral selectivity
 (Ratio of Light Transmission to Solar Heat gain coefficient)
- High thermal insulation
- · Enhanced daylighting
- Advanced Solar Control
- Blue Appearance



THICKNESSES

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



→ PROCESSING

To obtain its performance and aesthetics, SGG Stellar must be

- Tempered /Heat Strengthened
- Assembled into an IGU
 SGG Stellar can also be used as
- · Laminated units
- · Bent units



APPLICATIONS

- · Structural glazing
- · Façade glazing
- · Bolted systems
- · Curtain wall glazing
- · Fenestration applications.
- Best suited for buildings having extensive glazing requirements.



- SUSTAINABILITY

As the world leader in glass manufacturing for the construction market, Saint-Gobain worldwide is committed to provide innovative solutions to two key challenges of the future:



Energy savings

SGG Stellar conforms to:















SKN 765, an energy efficient glass on a tinted base comes with **Active Glare Reduction**, filtering out glare like none other. So that you get to enjoy enhanced visual comfort, higher productivity and a whole world of wellbeing.

PRODUCT PERFORMANCE

SGG STELLAR (SKN 765)

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

| LIGHT FACTORS | | | |
|---------------|----------------|----------|--|
| TRANSMISSION | REFLECTION (%) | | |
| (%) | EXTERNAL | INTERNAL | |
| 38 | 9 | 17 | |

| (EN) ENERGY FACTORS (EN) | | |
|--------------------------|-------------------------|------------|
| SOLAR FACTOR | SHADING CO-EFFICIENT | U-VALUE |
| SHGC / SF | sc | (W/Sq.m K) |
| 0.24 | 0.27 | 1.5 |

| (NFRC) ENERGY FACTORS (NFRC) | | | |
|------------------------------|-------------------------|------------|--|
| SOLAR FACTOR | SHADING CO-EFFICIENT | U-VALUE | |
| SHGC / SF | sc | (W/Sq.m K) | |
| 0.24 | 0.27 | 1.6 | |

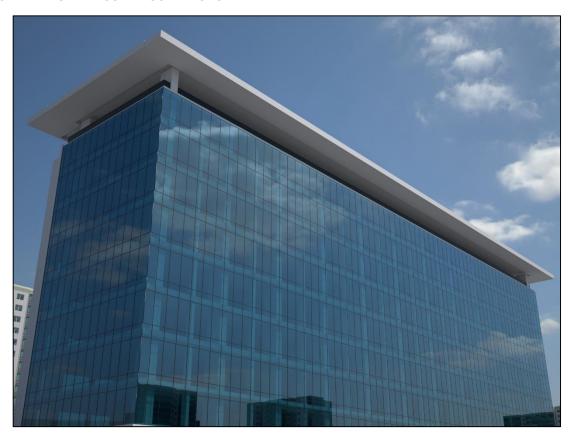
Solar Characteristics as per NFRC 200/300-2010 Thermal Transmittance as per NFRC 100 -2010.

Thermal transmittance factors are determined by EN 673 Solar and Luminous factors are determined by EN 410



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SGG STELLAR UNDER SUNNY CONDITIONS



SGG STELLAR UNDER OVERCAST CONDITIONS

