

# SGG HORIZON

## SGG HORIZON BLUE (SCN 745)

ADVANCED SOLAR CONTROL GLASS WITH ACTIVE GLARE REDUCTION  
OFFERING CLEAR VISION AND OCCUPANT PRIVACY





# SGG HORIZON BLUE (SCN 745)

SGG Horizon is an advanced coated glass manufactured by the state-of-art magnetron sputtering process under vacuum conditions. SGG Horizon Blue, an energy efficient glass on a blue tinted base comes with Active Glare Reduction, filtering out glare to provide enhanced visual comfort. It also provides extremely low internal reflections enabling clear vision during the day as well as night .

## FEATURES

SGG Horizon Blue is a unique product that offers best of solar control with minimum internal reflections enabling the occupant to better visual connect even during night

- Low internal reflections Blue tinted base
- Active glare reduction
- Solar control
- Thermal insulation
- UV protection



## THICKNESSES

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



## PROCESSING

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



## SAINT-GOBAIN GUARANTEE



TO KNOW MORE ON PRODUCT SELECTION, REACH OUT TO US HERE

## PRODUCT PERFORMANCE

### SGG HORIZON BLUE (SCN 745)

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	29	12	4
DGU	26	12	11

#### ENERGY FACTORS

(EN) SOLAR FACTOR	SHADING CO-EFFICIENT	(EN) U-VALUE
SHGC / SF	SC	(W/Sq.m K)
0.33	0.39	4.9
0.25	0.28	2.5

#### ENERGY FACTORS

(NRFC) SOLAR FACTOR	SHADING CO-EFFICIENT	(NRFC) U-VALUE SUMMER
SHGC / SF	SC	(W/Sq.m K)
0.38	0.43	4.3
0.27	0.31	2.5

## SGG HORIZON BLUE (SCN 745)

SGG HORIZON BLUE UNDER SUNNY CONDITIONS



SGG HORIZON BLUE UNDER OVERCAST CONDITIONS

