

SGG Horizon



Description

SGG Horizon from the Infinity bouquet of glass products from Saint-Gobain, provides advanced solar control and is made using state-of-the-art nanotechnology, in a unique plasma environment. A unique glass, SGG Horizon series, comes with extremely low internal reflections enabling clear vision during the day as well as night.

Internal reflections are usually inevitable during night times when the lux levels outside are much lower than that of the outside. This effect is usually enhanced with coated glasses but now with SGG Horizon, modern facades can now be gifted with the best of solar control with minimum internal reflections enabling the occupant to better visual connect even during night.

Available in 5 mm, 6 mm and 8 mm thicknesses (10 mm and 12 mm thickness are available on request) allowing for large sized units. SGG Horizon is now available in Jumbo sizes as well.

Product Application

- Residential buildings – apartments & bungalows
- Mid-size commercial buildings with extensive glazing applications
- Buildings that need best in class performance and are economic
- Windows
- Facades
- Skylights

Range

- SGG Horizon Clear
- SGG Horizon Green

- SGG Horizon Blue
- SGG Horizon Bronze

Performance Table

Product values given for 6mm | Luminous and Solar Characteristics are determined as per EN 410 | Thermal transmittance is determined as per EN 673

Single Glazing

Product	Visual comfort	Visual comfort	Visual comfort	Thermal comfort	Thermal comfort	Thermal comfort
Product	Visual light transmission (%)	External Reflection (%)	Internal Reflection (%)	Solar Factor (SF / SHGC)	Shading co-efficient (SC)	U-value (W/m2K)
SGG Horizon Clear	45	22	4	0.44	0.51	4.9
SGG Horizon Green	37	17	4	0.36	0.41	4.9
SGG Horizon Blue	29	12	4	0.33	0.39	4.9
SGG Horizon Bronze	25	10	4	0.34	0.39	4.9

Double Glazing

Product	Visual comfort	Visual comfort	Visual comfort	Thermal comfort	Thermal comfort	Thermal comfort
Product	Visual light transmission (%)	External Reflection (%)	Internal Reflection (%)	Solar Factor (SF / SHGC)	Shading co-efficient (SC)	U-value (W/m2K)
SGG Horizon Clear	40	24	12	0.37	0.42	2.5

Product	Visual comfort	Visual comfort	Visual comfort	Thermal comfort	Thermal comfort	Thermal comfort
SGG Horizon Green	34	18	11	0.27	0.31	2.5
SGG Horizon Blue	26	12	11	0.25	0.28	2.5
SGG Horizon Bronze	22	10	11	0.25	0.29	2.5