

SGG COOL-LITE® XTREME
60/28

*Extremely high selective
solar control and
low-e glass for
façade applications*



SGG COOL-LITE® XTREME 60/28

Extremely high selective solar control glass.

Applications

SGG COOL-LITE XTREME is an extremely selective solar control glass. It can be used in office buildings, shopping malls, industrial buildings, hotels, restaurants, schools, hospitals, either for façade glazing or skylight.

Benefits

This revolutionary product combines 5 major advantages for architects and project owners:

- **Extremely transparent:** its very high light transmission makes it the ideal product to create light space. It may avoid using traditional shading systems and provides all year long natural lighting.
- **Extremely 'cool':** its low solar factor and low shading coefficient makes it the ideal product for office buildings
 - Energy savings for air conditioned buildings.
 - Green building rules / LEED compliance.
- **Extremely economical:** its U-value = 1.0W/m²K makes it the ideal product for energy savings and improved thermal insulation.
- **Extremely aesthetic:** its low reflection and neutral aspect makes it the ideal product for modern architecture. It may avoid the use of shading systems, such as shutters, venetian blinds, and can be used in renovation of 'historic' buildings.
- **Extremely reliable:** it is the ideal product for extreme climates.

Description

SGG COOL-LITE XTREME 60/28 is an offline coated glass manufactured by magnetron sputtering deposition under vacuum conditions onto float glass. It is a very high selective solar control glass.

The selectivity (the ratio of visible light against solar energy) is higher than 2! With a U-value = 1.0 W/m²K, SGG COOL-LITE XTREME 60/28 is among the most efficient solar control glass products on the market.

Processing

SGG COOL-LITE XTREME 60/28 must always be assembled into a double glazed unit with the coated surface to the inside of the external pane (surface 2).

It is imperative that the coating be edge-stripped before assembly. Also available in laminated compositions.

Range

Monolithic glass

- Standard thickness: 6 - 8 - 10 mm
- Substrate:
 - clear float SGG PLANILUX
- Size:
 - Jumbo size and split sizes
- To be tempered version: SGG COOL-LITE XTREME 60/28 II. (Please contact us)

Laminated safety glass

- Numerous possibilities of compositions, including one or more PVB interlayer films.
- Acoustic laminated glass SGG STADIP SILENCE.

Performances

DGU 6mm - 16mm argon - 6mm

Internal pane		Clear float	
External pane (coating on face #2)		SGG COOL-LITE XTREME 60/28	
Standard		ISO 9050	EN 410
Light factors	LT %	60	60
	LRe %	14	14
	LRI %	16	16
Solar factor	g	0.26	0.28
	SC	0.30	0.32
U-value W/(m ² .K)		1.0	1.0
Selectivity		2.26	2.13

Average values according to ISO 9050, EN673 standards, and CEN 410 standards and subject to modification. SGG COOL-LITE XTREME 60/28 complies with the requirements of class C of the standard EN 1096 and is CE marked.

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