

SGG COOL-LITE® XTREME 50/22 II

EXTREMELY HIGH SELECTIVITY
GLASS WITH ADVANCED
THERMAL INSULATION
PROPERTIES

exhibition centre
liverpool

BUILDING GLASS UK AND IRELAND


SAINT-GOBAIN

SGG COOL-LITE® XTREME 50/22 II

EXTREMELY HIGH SELECTIVITY SOLAR CONTROL GLASS

DESCRIPTION

SGG COOL-LITE XTREME 50/22 II is the latest innovation in high performance solar control coatings. The coating is applied to SGG PLANICLEAR clear float glass by cathodic sputtering under vacuum conditions.

SGG COOL-LITE XTREME 50/22 II offers a heat treatable triple silver solar control coating with an outstanding selectivity of 2.24.

BENEFITS

SGG COOL-LITE XTREME 50/22 II sets a new standard in high selectivity solar control, while retaining the very neutral aesthetics associated with the SGG COOL-LITE range with:

- A high light transmission of 47% to maximise brighter interiors and natural lighting.
- A low solar factor of only 0.21 helps reduce the need for air conditioning.
- An excellent U-value of 1.0W/m²K making it an ideal product for energy savings and improved thermal insulation.
- A high degree of neutrality both in transmission and exterior reflection.

SGG COOL-LITE XTREME 50/22 II can be used to create more comfortable interiors by reducing overheating in the summer and heat loss in the winter, whilst retaining a neutral appearance.

APPLICATIONS

SGG COOL-LITE XTREME 50/22 II features an extremely selective solar control coating primarily for use in the commercial and premium building market.

Due to the high performance of the coating, it is ideally suited for use in facades or overhead glazing in applications requiring toughened or heat treated glass.

INSTRUCTIONS FOR USE

For optimum performance and aesthetics SGG COOL-LITE XTREME 50/22 II must always be toughened or heat-strengthened before assembly into a double-glazed unit.

SGG COOL-LITE XTREME 50/22 II must always be edge-deleted and should be positioned on face 2 of a double or triple glazed unit for optimum performance.

Please see the SGG COOL-LITE XTREME handling guidelines for more information.

RANGE

SGG COOL-LITE XTREME 50/22 II is available in 6000mm x 3210mm and in a thickness of 6mm.

Additional sizes and 8mm and 10mm thicknesses are also available on request and may be subject to minimum order quantities.

SGG COOL-LITE XTREME 50/22 II also features SGG EASYPRO as standard, our new innovative protective coating that brings a host of processing and storage benefits. Please see accompanying SGG EASYPRO brochure for more details.

TECHNICAL SPECIFICATIONS

PERFORMANCE DATA	
	DGU with SGG COOL-LITE XTREME 50/22 II
Internal Pane	SGG PLANICLEAR
External Pane	SGG COOL-LITE XTREME 50/22 II
Composition in mm	6(16)6
Coating Positions	Face 2
LT	47%
LRe	16%
Lri	18%
g-value*	0.21
Shading Coefficient	0.24
U-Value in W/m ² K Air	1.3
90% Argon	1.0

SGG COOL-LITE XTREME 50/22 II meets the durability requirements of class C of European standards EN 1096-1 and -2.

* Light and solar performance according to EN 410



Saint-Gobain Building Glass UK and Ireland

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