

SGG COOL-LITE®
XTREME 70/33 II

70% Light Transmission
and 0.33 g-value

*Extremely high
selectivity coating
featuring advanced
thermal properties
and market leading
neutrality.*

SGG COOL-LITE® XTREME 70/33 II

Extremely high selectivity neutral solar control glass

Description

SGG COOL-LITE XTREME 70/33 II is the latest innovation in high performance solar control coatings. The coating is applied to SGG PLANICLEAR by cathodic sputtering under vacuum conditions.

SGG COOL-LITE XTREME 70/33 II offers the most neutral aesthetics & high performance solar control on a 'to be toughened' triple silver product with the additional benefit of achieving a selectivity of 2.12.

Benefits

SGG COOL-LITE XTREME 70/33 II sets a new standard in high performance solar control, while retaining the excellent neutral aesthetics associated with the SGG COOL-LITE range:

- A high light transmission of 70% to help maximise daylight - closely associated with indoor comfort
- A low solar factor of only 0.33 helps to reduce a building's cooling loads & potential requirement for air conditioning
- An excellent centre pane U-value of 1.0W/m²K making it ideal for energy savings and improved thermal insulation
- A high degree of neutrality both in transmission and exterior reflection
- The most neutral coating within the SGG COOL-LITE range

SGG COOL-LITE XTREME 70/33 II can be used to create comfortable

interior space by reducing overheating in the summer and heat loss in the winter, whilst retaining market leading neutral aesthetics.

Applications

SGG COOL-LITE XTREME 70/33 II features an extremely selective solar control coating for use in the commercial market:

Commercial Offices

Can significantly reduce solar heat gain on offices featuring large glazed facades.

Healthcare Sector

Maximising light for health & wellbeing.

Education Sector

Increasing indoor comfort to assist the learning environment.

This new high-performance product is ideally suited for use in facades or overhead glazing in applications requiring toughened or heat treated glass.

Instructions for use

For optimum product performance and aesthetics SGG COOL-LITE XTREME 70/33 II must always be toughened or heat-strengthened before assembly into a double or triple glazed unit.

SGG COOL-LITE XTREME 70/33 II must also be edge-deleted and

should be positioned on face 2 of a double or triple glazed unit to achieve its highest performance criteria.

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

Range

SGG COOL-LITE XTREME 70/33 II is available in a 6000mm x 3210mm size and in a thickness of 6mm.

Additional sizes and 8mm & 10mm thicknesses are also available on request.

Technical Specifications

Performance Data

	DGU with SGG COOL-LITE XTREME 70/33 II
Internal Pane	SGG PLANICLEAR
External Pane	SGG COOL-LITE XTREME 70/33 II
Composition in mm	6(16)4
Coating Positions	Face 2
LT	70%
LRe	11%
g-value*	0.33
Shading Coefficient	0.38
U-Value in W/m ² K Air	1.3
90% Argon	1.0

SGG COOL-LITE XTREME 70/33 II meets the durability requirements of class C of European standards EN 1096-1 and -2.
* Light and solar performance according to EN 410

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