

SGG COOL-LITE® XTREME
60/28 & 60/28 II

*Extremely high
selectivity glass
with advanced
thermal insulation
properties*

SGG COOL-LITE® XTREME 60/28 & 60/28 II

Extremely high selectivity solar control glass

Description

SGG COOL-LITE XTREME 60/28 and 60/28 II are the latest innovations in high performance solar control coatings. The coatings are applied to SGG PLANILUX clear float glass by cathodic sputtering under vacuum conditions.

SGG COOL-LITE XTREME 60/28 and 60/28 II are the UK's first triple-silver solar control coatings, which have the highest selectivity (the ratio of visible light to solar heat gain) in the SAINT-GOBAIN GLASS range.

Benefits

SGG COOL-LITE XTREME 60/28 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 to create brighter interiors and year round natural lighting
- a low solar factor to reduce the burden on costly air-conditioning
- an excellent U-value of 1.0W/m²K making it the ideal product for energy savings and improved thermal insulation
- a high degree of neutrality both in transmission and exterior reflection

SGG COOL-LITE XTREME can be used to create more comfortable interiors by reducing overheating in the summer and heat loss in the winter, while retaining an extremely neutral appearance.

Applications

SGG COOL-LITE XTREME 60/28 and 60/28 II are two extremely selective solar control coatings for use in the commercial and high end building market. Due to the high performance of the coating, it is ideally suited to façade or overhead glazing in applications requiring annealed and toughened or heat treated glass.

Instructions for use

For optimum performance and aesthetics SGG COOL-LITE XTREME 60/28 and 60/28 II coatings must be edge-deleted and should always be positioned on face 2 of a double-glazed unit.

SGG COOL-LITE XTREME 60/28 II must always be toughened or heat-strengthened before assembly into a double-glazed unit with the coated surface to the inside of the external pane.

SGG COOL-LITE XTREME 60/28 and 60/28 II can be used side-by-side in the same façade, though there can be slight colour variations. If both glass types are intended for use together in one façade, SGG recommends the use of samples to observe and evaluate the matching.

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

Range

SGG COOL-LITE XTREME 60/28 II is available from SGGUK in 6000mm x 3210mm and 2000mm x 3210mm dimensions in 6mm thickness, with 8mm and 10mm on request.

SGG COOL-LITE XTREME 60/28 in 6mm, 8mm and 10mm thicknesses is also available on request.

Technical Specifications

Performance Data

DGU with SGG COOL-LITE XTREME II	
Internal Pane	SGG PLANILUX
External Pane	SGG COOL-LITE XTREME 60/28 II
Composition in mm	6(16)6
Coating positions	Face 2
LT	60%
LRe	15%
LRI	19%
g-value*	0.28
Shading Coefficient	0.32
U-Value in W/m ² K	
Air	1.3
90% Argon	1.0

SGG COOL-LITE XTREME 60/28 and 60/28 II meet 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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Saint-Gobain Glass UK Ltd
Weeland Road, Eggborough
East Riding of Yorkshire, DN14 0FD, UK
www.saint-gobain-glass.com



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