

# SGG COOL-LITE® KG 137

*High performance  
gold glass*

# SGG COOL-LITE® KG 137

## High performance gold glass

### Applications

SGG COOL-LITE KG 137 with its solar control and thermal insulation performances can be used in all types of façade applications. Its unique golden aesthetics makes it a suitable choice to highlight a building with the glitter of gold, accentuated by the reflection of the sun.

Office buildings, shopping centers, hotels. SGG COOL-LITE KG 137 with its solar control and thermal insulation performances can be used in all types of façade applications. Its unique golden aesthetics makes it a suitable choice to highlight a building with the glitter of gold, accentuated by the reflection of the sun.

SGG COOL-LITE KG 137 enhances a surface thanks to the brightness and splendor of its golden tone.

### Benefits

SGG COOL-LITE KG 137 offers many advantages:

- **Solar control:** with its low solar factor SGG COOL-LITE KG 137 prevents the entry of 72% of the incident energy.
- **Insulation:** with a very low emissivity ( $e = 0.05$ ) SGG COOL-LITE KG 137 does not require to be combined with other low-E glass to offer a U-value close to the most efficient glass.
- **Moderate energy absorption:** hence glass tempering is not always needed, keeping this requirement for strong sunlight situations.
- **High light transmission:** this selective glass is combining high light transmission and low solar factor. SGG COOL-LITE KG 137 is a good product to create light space.
- **Light reflection:** its moderate light reflection gives SGG COOL-LITE KG 137 a soft and elegant golden appearance.

### Description

SGG COOL-LITE KG 137 is a selective solar control glass with a golden external reflection, manufactured by depositing a coating of metallic oxides by magnetically enhanced cathodic sputtering under vacuum, onto clear glass. This coating gives the glass its solar control and low-E properties, as well as its distinctive appearance. SGG COOL-LITE KG 137 is designed for use in double glazing applications, or in laminated glass assemblies.

### Range

SGG COOL-LITE KG 137 is produced on clear float glass SGG PLANILUX

Thickness:  
6 - 8 - 10 mm

Dimension:  
PLF (6000 x 3210 mm)  
DLF (2250 x 3210 mm)

### Processing

SGG COOL-LITE KG 137 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.

SGG COOL-LITE KG 137 can be tempered or not, depending on the building requirements. Both versions should not be used in the same façade prior validation of the client.

SGG COOL-LITE KG 137 can be laminated with the coating on the external surface, then to be assembled in DGU.

### Performances

#### DGU 6 + 12 + 6 mm with SGG PLANILUX

Internal pane	SGG COOL-LITE KG 137	Clear float Annealed	Clear float Tempered
		SGG COOL-LITE KG 137	SGG COOL-LITE KG 137
External pane (coating on face 2)			
Light factors:	LT %	34	34
	LRe %	30	33
	LRI %	30	31
Solar factors	g	0.28	0.28
	SC	0.32	0.32
U-value W/(m².K)	12 mm air	1.6	1.6
	16 mm argon	1.2	1.2
	Selectivity	1.21	1.21

Average values according to ISO 9050, EN673 standards and subject to modifications. SGG COOL-LITE KG 137 complies with the requirements of class C of the standard EN 1096 and is CE marked.

SGG COOL-LITE, SGG PLANILUX and all other devices and logos are registered trademarks of Saint-Gobain.



Saint-Gobain Glass – Exprover  
A SGGF business unit  
Les Miroirs • 18 avenue d'Alsace  
92 400 Courbevoie • France  
Tel: +33 (0)1 47 62 34 25  
info@exprover.com  
http://exprover.saint-gobain-glass.com

Distributor