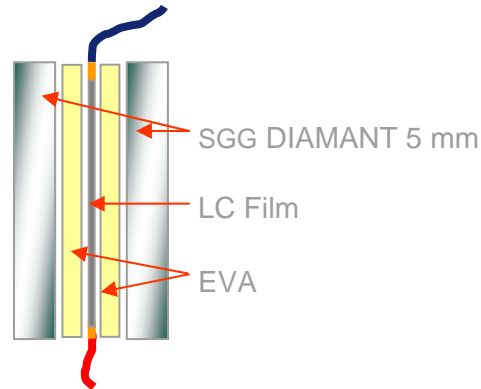


SGG PRIVA-LITE®

Description

SGG PRIVA-LITE is a laminated glass panel made of SGG DIAMANT GLASS (extra clear glass). Between the glass panels, several EVA interlayers encapsulate a Liquid Cristal film which is connected to a specific power supply.

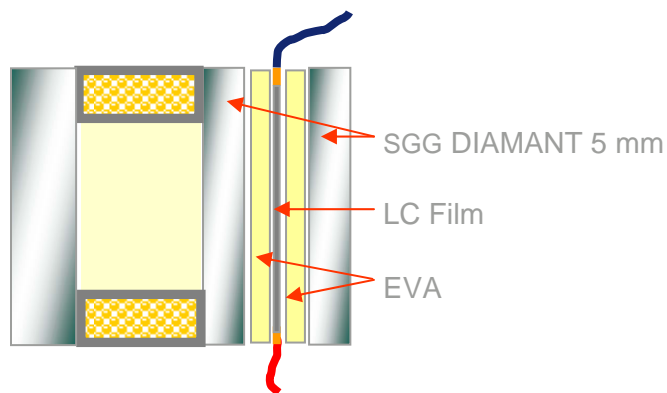
Standard composition is : 55.4 (2 panes of 5mm extra clear glass, layers of EVA, 1 layer of LC film)



Insulating glass SGG CLIMALIT or SGG CLIMAPLUS can be combined with SGG PRIVA-LITE. In this case, SGG PRIVA-LITE is always situated at the inner side of the building.

The IGU are available with all types of low-E or solar coatings of the SGG range, with or without argon filling.

A solar control coating is recommended on face 2 in order to prevent too high temperatures in the SGG PRIVA-LITE panel.

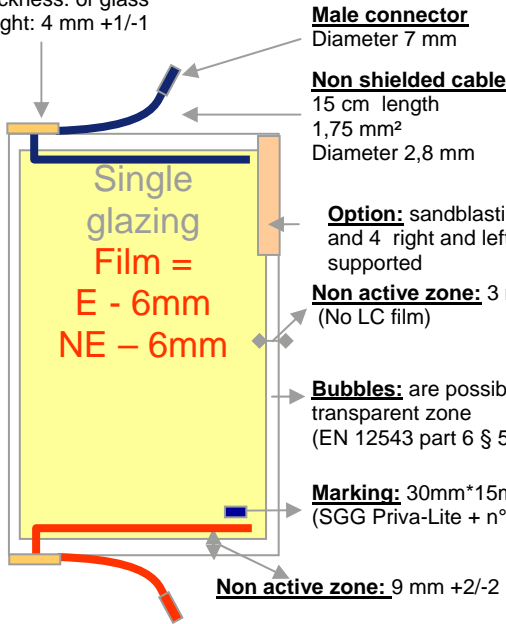


 Specifications

Single glazing

Hot melt:

Length: 35 mm +2 mm
 Thickness: of glass
 Height: 4 mm +1/-1



Male connector
 Diameter 7 mm

Non shielded cable
 15 cm length
 1,75 mm²
 Diameter 2,8 mm

Option: sandblasting 5mm+1/-1 face 1 and 4 right and left if edges are not supported

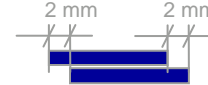
Non active zone: 3 mm +2/-2
 (No LC film)

Bubbles: are possible in this transparent zone
 (EN 12543 part 6 § 5 & 8)

Marking: 30mm*15mm
 (SGG Priva-Lite + n° panel)

Non active zone: 9 mm +2/-2

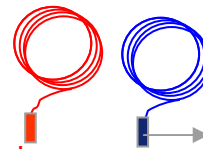
Overlap maxi (EN 12543)



Bending: 3mm/meter

Rolls of shielded cables:

10 m length
 0,75 mm²
 Diameter 2,8 mm



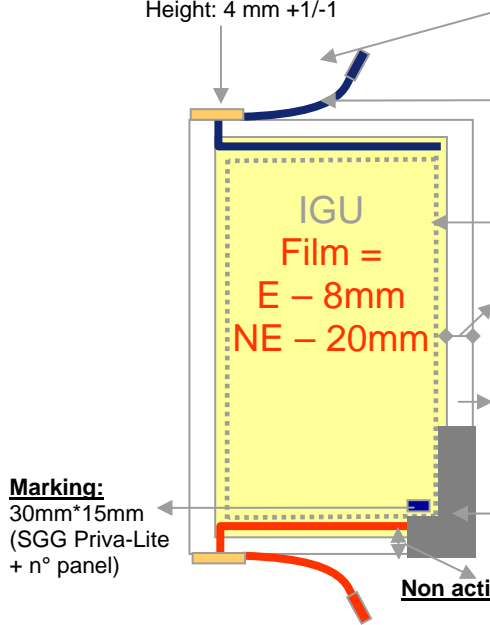
Female connector
 Diameter 9 mm

E = side of electrodes
NE = side where there are no electrodes

Double glazing

Hot melt:

Length: 35 mm +2 mm
 Thickness: of glass
 Height: 4 mm +1/-1



Male connector
 Diameter 7 mm

Non shielded cable
 15 cm length
 1,75 mm²
 diameter 2,8 mm

Spacer: at 15mm +2/-2 mm from edge of the panel

Non active zone : 10 mm +2/-2
 (No LC film)
 Visual aspect: see EN 1279

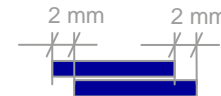
Bubbles: may occur in this transparent zone
 (EN 12543 part 6 § 5 & 8)

Marking:
 30mm*15mm
 (SGG Priva-Lite + n° panel)

Sealing:
 Dow Corning 3362

Non active zone: 10 mm +2/-2

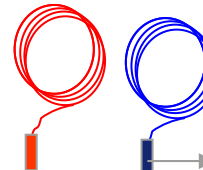
Overlap maxi (EN 12543)



Bending: 3mm/meter

Rolls of shielded cables:

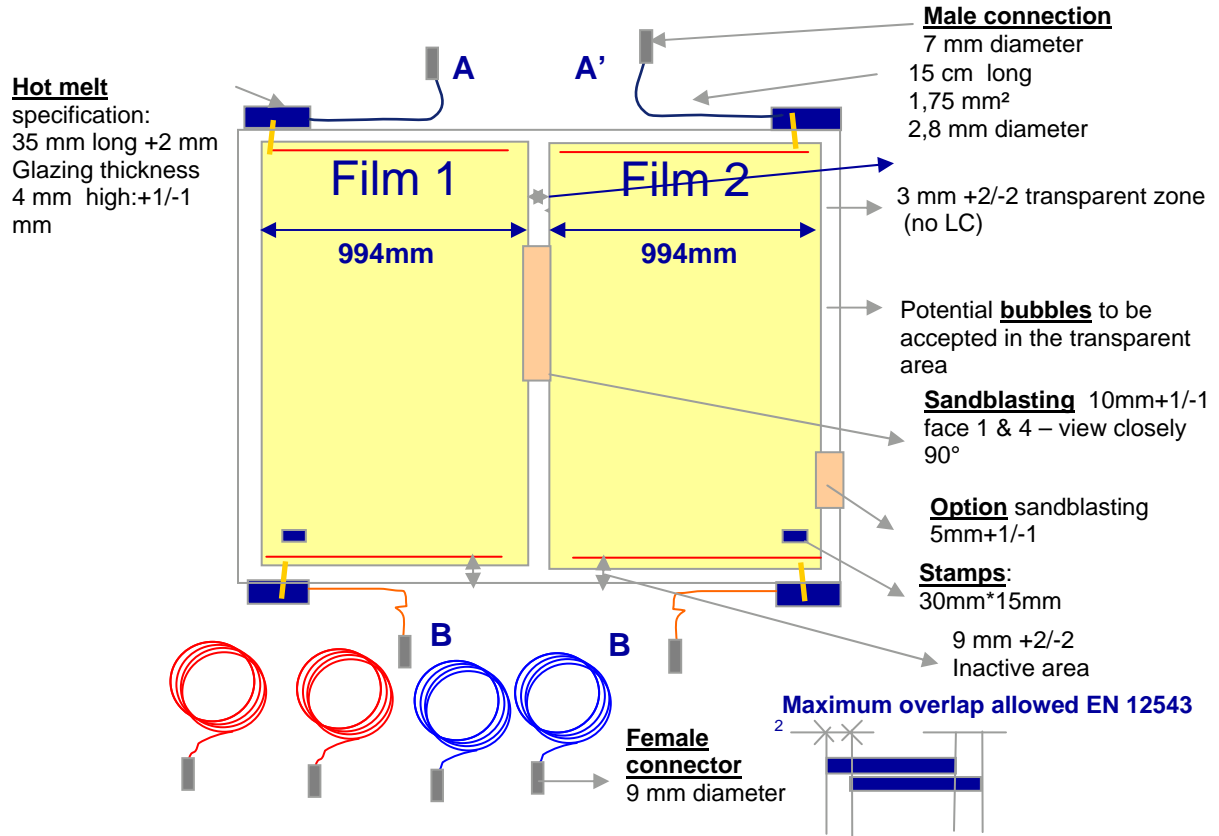
10 m length
 0,75 mm²
 Diameter 2,8 mm



Female connector
 Diameter 9 mm

E = side of electrodes
NE = side where there are no electrodes

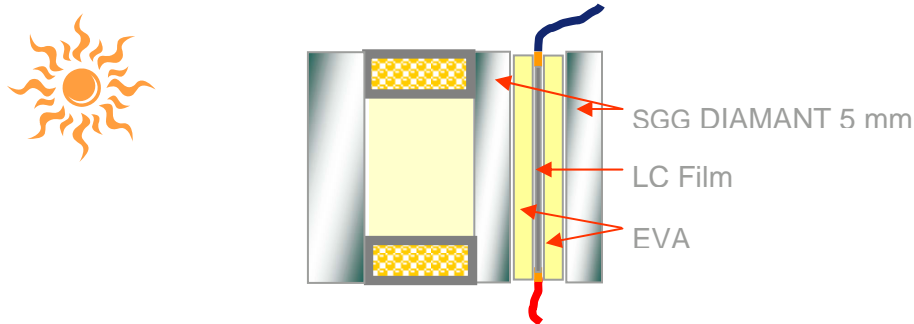
Big Format panels (max 2000mm x 3000mm)



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CLIMALIT & SGG CLIMAPLUS compositions

*SGG PRIVA-LITE panels are always situated at the inner side of the building!
It is recommended to use a solar control coating on face 2.*



See specifications of this IGU on p2

Distribution and Technical Service: **GreenLite Glass Systems Inc.**
Ph: 778-285-8530 Fx: 778-285-8520

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SGG CLIMALIT

Composition	Thickness (mm) **	Weight (kg/m ²)	U value (W/m ² K)	
5 (12*) 55.4	28	40	2.8	
6 (12*) 55.4	29	42	2.8	
8 (12*) 55.4	31	47	2.8	
10 (12*) 55.4	33	52	2.8	
12 (12*) 55.4	35	57	2.8	

* air gap width from 6mm to 24mm is available

** +/- 1mm

These prices are Ex-Works.

SGG CLIMALIT PARSOL (GREEN/ GREY/ BRONZE)

Composition	Thickness (mm) **	Weight (kg/m ²)	U value (W/m ² K)	
6 (15*) 55.4	29	42	2.8	

* air gap width from 6mm to 24mm is available

** +/- 1mm

These prices are Ex-Works.

SGG CLIMALIT ANTELIO

Composition	Thickness (mm) **	Weight (kg/m ²)	U value (W/m ² K)	
6 (15*) 55.4	29	42	2.8	

* air gap width from 6mm to 24mm is available

** +/- 1mm

These prices are Ex-Works.

SGG CLIMAPLUS ULTRA N (low-E coating on face 2)

Composition	Thickness (mm) **	Weight (kg/m ²)	U value (W/m ² K) ***	
6 (15*) 55.4	29	42	1.1	
-6- (15*) 55.4	29	42	1.1	

* cavity width from 6mm to 24mm is available, filled with 90% argon

** +/- 1mm

*** U value calculated according EN673, argon filling rate 90%

-6- means toughened 6mm pane

These prices are Ex-Works.

SGG CLIMAPLUS COOL-LITE CLASSIC

Composition	Thickness (mm)**	Weight (kg/m ²)	U value (W/m ² K)	
6 (15*) 55.4	29	42	2.8	

* air gap width from 6mm to 24mm is available

** +/- 1mm

These prices are Ex-Works.

SGG CLIMAPLUS COOL-LITE SKN

Composition	Thickness (mm)**	Weight (kg/m ²)	U value (W/m ² K)***	
6 (15*) 55.4	29	42	1.2	

* cavity width from 6mm to 24mm is available, filled with 90% argon

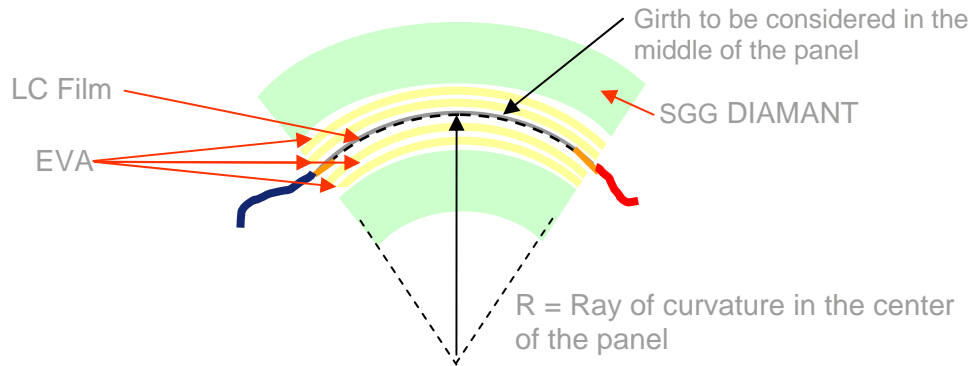
** +/- 1mm

*** U value calculated according EN673, argon filling rate 90%

These prices are Ex-Works.

Bent compositions

Description

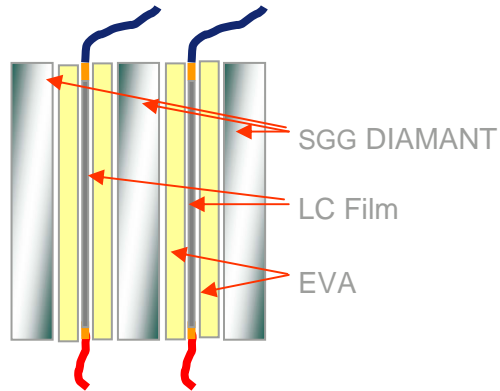


The ray of curvature of the bent panels has to be given at the middle of the glass pane as shown in the figure above.

Bent panels are not available with heat strengthening or toughening.

HIGH PRIVACY APPLICATIONS (TOILET DOORS, ...)

It is possible to increase privacy when using 2 LC films in a triple laminated panel.



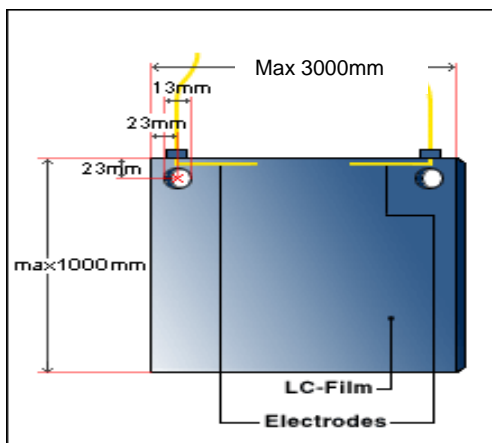
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HANGING PROJECTION SCREEN

SGGS TECHNIVER SA delivers a complete solution for internal projection screens. SGG PRIVA-LITE panels are hanging on INOX bars via point fixing elements.

SGG PRIVA-LITE panels

These panels are polished on the 4 edges and 2 holes are drilled (diameter 13mm +/-1mm). The glass panels are heat strengthened. Glass composition is : 44.4 with a total thickness of 10mm +/-1mm. 3mm delamination on the borders of the panel is not considered as a defect. Warranty 3 years.



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Hanging device

The SGG PRIVA-LITE panels are hung with INOX tubes from the ceiling. These tubes have a diameter of 10mm. The height varies from 450mm to 650mm.

Distribution and Technical Service: [GreenLite Glass Systems Inc.](#)
Ph: 778-285-8530 Fx: 778-285-8520

EDGE WORKING

The standard edge working on each pane of glass is arised edges.
 Note that the edge working is done before lamination that makes that an overlap is possible between the 2 panes of glass. This is not considered as a defect.

Rectangular panes

Type of edge working	Supplement
Satin edges	
Polished edges	

These prices are Ex-Works.

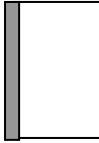
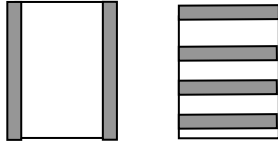
Non rectangular panes (shapes)

Type of edge working	Supplement
Satin edges	
Polished edges	

These prices are Ex-Works.

SANDBLASTING


Standard SGG PRIVA-LITE is without any sandblasting.
 Sandblasting is made on the final laminated panel.

Type of sandblasting		Supplement
One stripe on face 1 & 4		
>= 2 stripes on face 1 & 4		

These prices are Ex-Works.

LAKED EDGES

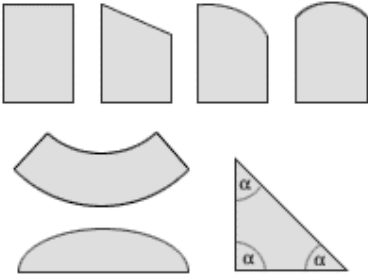
Standard SGG PRIVA-LITE is without any sandblasting. Sandblasting is made on the final laminated panel.

Type of Lakage		Supplement
Laked stripe on the edges (1 face)		

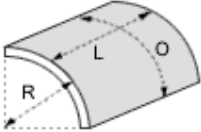
SHAPES

Nearly all shapes which have one linear edge are available. Circles are possible on behalf of using 2 LC films next to each other with the electrodes on the diameter.

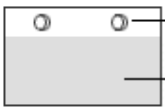
Formes disponibles



(max 3000 x 1000 mm) $\alpha > 30^\circ$

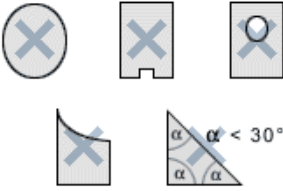


L : Largeur / Hauteur max : 3000 mm
 O : développement extérieur max : 1000 mm
 R : rayon extérieur mini : 300 mm




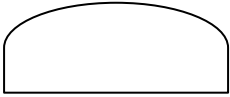
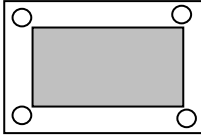

trous de suspension dans la zone inactive
 zone active

Formes non disponibles



The surface to be taken into account is the smallest rectangle which contains the shape.

Type of shape		Supplement
Oblique edges (up to 4 per panel)	Eg : 2 oblique edges 	

Circular edges		
Holes in the area without LC film		
Circular corners		

These prices are Ex-Works.

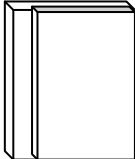
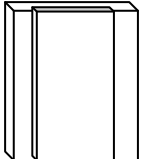
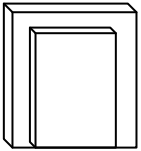
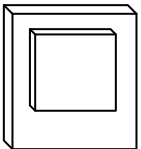
OVERLAP OF GLASS PANELS OF SGG PRIVA-LITE

It is possible to produce SGG PRIVA-LITE panels with overlap. A typical application is glass floor with SGG LITE-FLOOR on which a LC film and a 5mm SGG DIAMANT panel is laminated. The last panel is smaller than the laminated panel in order to avoid too much load on the LC film.

This is possible for single glazing or double glazing.

The surface to be taken into account is the smallest rectangle which contains the shape.

The supplement has to be taken on the price of the glass composition required.

Type of shape		Supplement
Overlap on 1 edge		
Overlap on 2 edges		
Overlap on 3 edges		
Overlap on 4 edges		

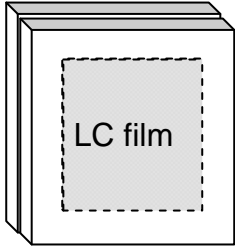
LARGER TRANSPARENT ZONE ON THE EDGES

For applications in humid rooms, a larger transparent zone on the edges is needed for higher electrical isolation.

For example : swimming pools, bathrooms.

SGG PRIVA-LITE may not be used in shower cabins when water is spraying directly on it. The supplement has to be added to the price of the considered composition.

The transparent zone is 10mm instead of 3mm as usual.

Composition		Supplement
Larger transparent zone on 4 edges		

SHIELDED CABLES

Shielded cables are compulsory in order to connect the SGG PRIVA-LITE panels to the transformer. The maximum distance between the SGG PRIVA-LITE panels and the transformer is 20m. Each roll of shielded cables contains two cables, one red and one blue.

Type of roll	€/roll
Roll of 10m	
Roll of 20m	

SILICONE

The only silicone to be used with SGG PRIVA-LITE is MULTISIL GE BAYER SILICONE.

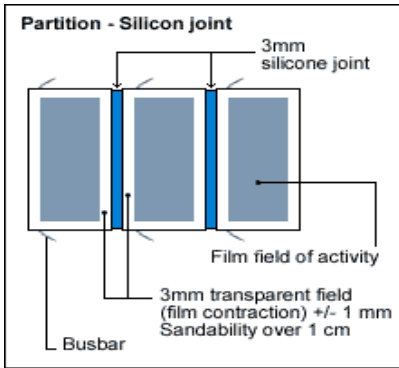
The following colours are available : grey, brown, transparent, black.

Cartridge of 310ml.



This silicone has to be used whenever silicone is needed for SGG PRIVA-LITE projects.

Distribution and Technical Service: [GreenLite Glass Systems Inc.](http://www.GreenLiteGlass.com)
Ph: 778-285-8530 Fx: 778-285-8520



PACKAGING

Specially made for SGG PRIVA-LITE products and projects, wooden crates are used in order for transport. The crate contains warranty certificate, check list and installation rules.

A tiltwatch is fixed to the wooden crate in order to check if the crate has been transported horizontally or has been fallen during transportation. If the tiltwatch goes from grey (normal state) to red (problem state), you need to contact us immediately and you may not open the crate.

This crate has one side to be opened with some screws. It is clearly identified on the crate which side of the crate has to be opened.



Different types of wooden crates are available: