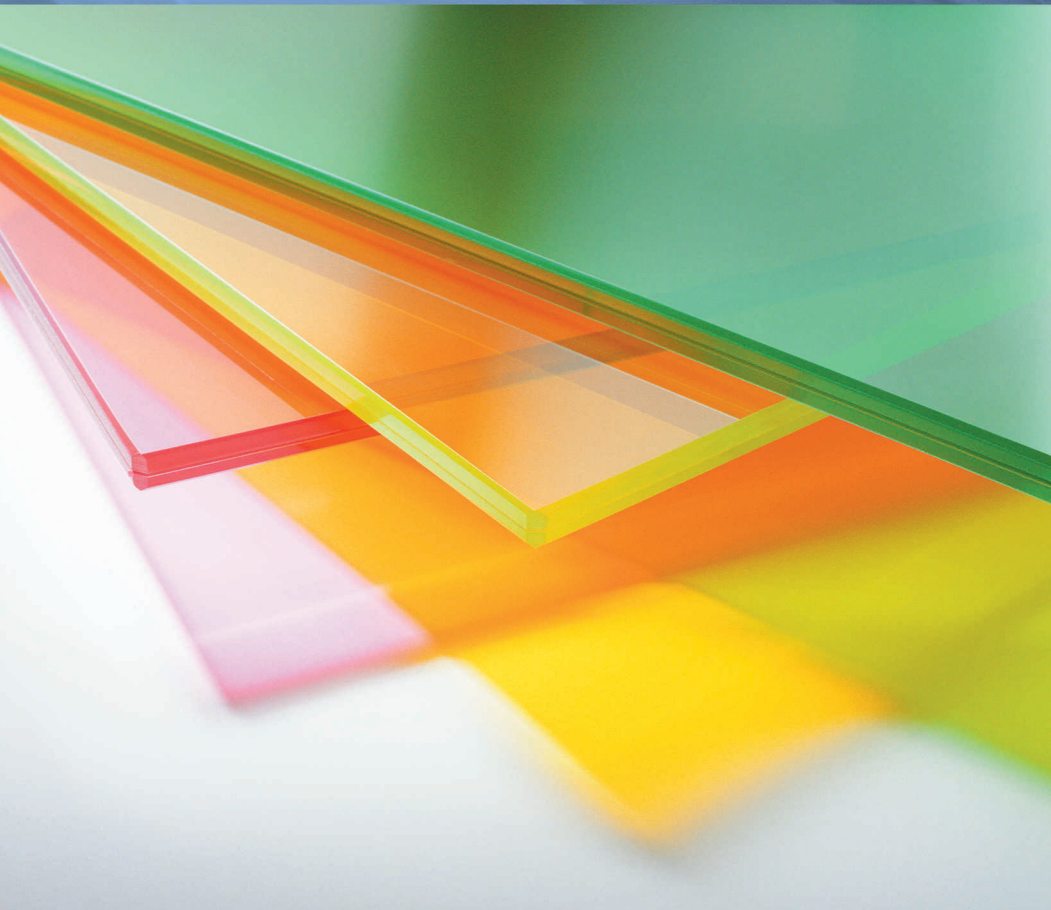


SGG STADIP COLOR®
SGG STADIP DESIGN®

*Coloured and patterned
PVB laminated
safety glass*



SGG STADIP COLOR® SGG STADIP DESIGN®

*The full spectrum of colours
and aesthetics*

Description

SGG STADIP COLOR is an almost inexhaustible range of colour laminated glasses, comprising normally two panes of glass permanently bonded together with Vanceva™ Design PVB (polyvinyl butyral) coloured interlayers. Using any combination of the basic colour films, virtually any colour, either translucent or transparent, can be created.

SGG STADIP DESIGN is a range of patterned laminated glasses, comprising Vanceva™ Design PVB patterned interlayers.

Both ranges are manufactured by Saint-Gobain Solaglas and have the same mechanical properties as normal safety and security PVB laminated glasses of the equivalent thicknesses.

Applications

SGG STADIP COLOR and SGG STADIP DESIGN inject colour and individuality

into schemes where both striking aesthetics and safety are critical.

Exteriors	Interiors
<ul style="list-style-type: none"> • Facades • Roofs and overhead glazing • Canopies • Guarding • Feature glazing 	<ul style="list-style-type: none"> • Partitions and screens • Doors • Stair treads • Floor panels • Balustrades • Furniture

Advantages

Dynamic coloured facades:

Combined with neutral solar control or low-emissivity glasses, double-glazing with SGG STADIP COLOR animates a building's envelope and enlivens entrances, canopies and feature glazing.

Safe-breakage and containment:

SGG STADIP COLOR can be used in overhead and high level glazing, as well as load-bearing applications e.g. floors. If the glass breaks, it remains adhered to the interlayer, reducing the risk of injury and maintaining its integrity.

Filtration of ultra-violet light:

SGG STADIP COLOR helps slow

the fading of furnishings near to the glazing.

Solar control performance:

The coloured films in SGG STADIP COLOR absorb solar heat energy to different degrees.

An inspirational glass for interiors, SGG STADIP COLOR:

- Offers total flexibility, providing the personal touch for unique colours and aesthetics.
- Affords different levels of translucency for visual screening.
- Achieves distinct aesthetic effects on either viewing side, by using a white or patterned interlayer.



Range

SGG STADIP COLOR is available in an extensive range of translucent and transparent forms, with over 1,000 different combinations possible.

The **basic colour-films** are:

Basic colour-films			
Reds	Coral Rose	Ruby Red	Deep Red
Yellows	Golden Light*	Sahara Sun*	
Blues	Aquamarine	Sapphire	Deep Blue
Greys	Smoke Grey	Evening Shadow	

*For combinations requiring the yellow films Golden Light and Sahara Sun, we recommend incorporating an additional interlayer of clear PVB to avoid any possible colour-fading from UV light.

Three **white films** with different light transmittances (LT) are available for translucent or opaque versions of SGG STADIP COLOR:

White films	
SGG STADIP COLOR Cool-White	LT 80%
SGG STADIP COLOR Arctic Snow	LT 65%
SGG STADIP COLOR Pure White	LT 7%

SGG STADIP COLOR metallic comprises one of three metallic interlayers:

Metallic interlayers		
Honeycomb	Linen	Sandstone

The SGG STADIP DESIGN range has nine white patterns, all of which can be used on their own or combined with the coloured interlayers.

SGG STADIP DESIGN White patterns		
Narrow Band	Wide Band	Square
Polka Dot	Mini Band	Mini Dot
Mini Hole	Weave	Cross

For more bespoke requirements, Saint-Gobain Solaglas can offer customised designs, such as corporate logos or complex graphics, laminated between glass.

Processed Product Variations

For further customisation, the standard SGG PLANILUX clear float glass substrates can be substituted by: SGG DIAMANT extra-clear glass; SGG SATINOVO all-over etched glass; SGG MASTERGLASS geometric textured glass.

Available thicknesses:		Maximum (mm)	Minimum (mm)
		39.5	6.4
Dimensions: Based on SGG PLANILUX substrate	Colours and whites	3210 x 2460	600 x 300
	Patterns:	3210 x 1530	600 x 300
	Square, Mini Band, Mini Dot, Mini Hole Weave, Cross, Solid White		
	Patterns:	3210 x 2000	600 x 300
	Narrow Band, Wide Band, Polka Dots		
	Metallics	3210 x 1830	600 x 300

For configurations in excess of 39.5mm thickness, please contact Saint-Gobain Solaglas.

For applications requiring additional mechanical strength or thermal safety, toughened (SGG SECURIT) or heat-strengthened (SGG PLANIDUR) substrate glasses can be used. The minimum thickness is 9.5mm, depending on overall glass dimensions. Please contact Saint-Gobain Solaglas for further information.



Performance

Safety and Security:

SGG STADIP COLOR is a laminated safety glass, manufactured to EN 12543-2, EN 12600 and BS 6206 currently, to be superseded by EN 12150. In the event of breakage, the broken pieces remain adhered to the interlayer, minimising the risk of injury and ensuring the integrity and containment properties of the glass. As for normal PVB laminated glass, SGG STADIP COLOR can be used in safety critical locations defined by BS 6262, in overhead glazing and as guarding. Also inherent of PVB

laminated glass, SGG STADIP COLOR performs as a security glass against break-ins and vandalism. Higher grades of security are also feasible.

Environmental Control:

Thanks to the pigments in the Vanceva™ Design films, each colour and combination of films provides different levels of solar control.

SGG STADIP COLOR and SGG STADIP DESIGN also offer the same level of acoustic insulation, in external facades and internal partitions, as conventional PVB laminated glass.

Safety Performance to EN 12600*

SGG STADIP COLOR Cool-White 8.4mm	Class 2 (B) 2
SGG STADIP COLOR Aquamarine/Ruby 8.8mm	Class 1 (B) 1
SGG STADIP COLOR Metallic Linen 8.8mm	Class 1 (B) 1

The performance of SGG STADIP COLOR is guaranteed between temperatures of 10° and 45°C at the centre of the glass.
* Soft-body impacts (safety of people). Class 1(B)1 is the highest category:

Processing and Installation

SGG STADIP COLOR is processed and glazed in the same way as PVB laminated glass, in accordance with current national standards. A maximum of five interlayers can be combined together, thus the overall thickness of the assembly must be taken into account for installation.

Please note the following recommendations;

- Multi-interlayered combinations can result in a different appearance on either side of the glass. The preferred viewing side must be specified by the client and the glass will be labelled accordingly for installation purposes.
- Holes and notches can be drilled for fixings and various shapes can be cut prior to lamination. It is not possible to hand cut holes and notches after laminating. Internal corners are always radiussed.
- Special care must be taken in specifying laminated glass with holes, notches, cut-outs or mitred edgework, as the glass may not withstand the resultant stress without fracture. Laminated glass should be supported on all four edges and be free of holes, notches and cut-outs to achieve its optimum performance and penetration resistance. Please contact Saint-Gobain Solaglas for advice.
- Unless gasket glazing into drained and ventilated systems, the PVB interlayers must be protected against water ingress.

For external applications:

- Any assembly comprising the yellow interlayers (Golden Light and Sahara Sun) should also incorporate additional clear PVB to avoid possible discoloration.
- Thermal safety assessment is necessary to determine the requirement for heat strengthened or toughened laminated glass. Please contact us for guidance.



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