

SGG PLANITHERM[®] T *Low-E glass*



SGG PLANITHERM® T

Neutral appearance, exceptional clarity, single stock coated glass for use in annealed or tempered version

Applications

SGG PLANITHERM T can be used in a wide range of domestic and commercial applications (windows and skylights, external doors, conservatories, façades, curtain walling, structural glazing, overhead glazing). It can also be used in commercial refrigeration.

Benefits

- **Durability and easy-to-handle:**
SGG PLANITHERM T is the first low-E glass of its kind that exists as a single version for both annealed and tempered requirements. It's durable and easy to process.
- **Thermal insulation:**
 - Reduced energy consumption and CO₂ emissions in hot and cold climates
 - Reduced condensation on the inner pane
- **Exceptional clarity:**
high level of natural light
- **Neutral appearance:**
in both reflection and transmission

Description

SGG PLANITHERM T is a high performance low-E coated glass, made of a clear or tinted float glass on which a thin transparent coating has been deposited by magnetron technology. The low-E coating drastically reduces the heat transfer between inside and outside.

Product range

Monolithic glass

- Substrates: clear float SGG PLANILUX and tinted glass SGG PARSOL Green and Blue

Thickness	Standard sizes
4-5-6-8-10 mm	6000*3210 mm
	2550*3210 mm
	2250*3210 mm
	2440*3660 mm
	2540*3660 mm

Other thickness and dimensions, please ask us.

Laminated safety glass

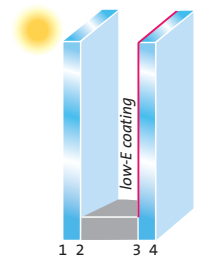
- Numerous possibilities of compositions, including one or more PVB interlayer foils.
- Acoustic laminated glass SGG STADIP SILENCE.

Processing

SGG PLANITHERM T should always be assembled in a double glazed unit.

The coating along the edges is removed then placed inside the cavity on face 2 or 3. Please read our guidance for use of SGG PLANITHERM products.

SGG PLANITHERM T can be combined with a product of the SGG COOL-LITE family to reduce solar heat gain. It is an ideal solution for sustainable building developments in hot climates. It can also be combined with SGG BIOCLEAR self-cleaning glass to add effective low maintenance function to a double glazed unit.



Performances

DGU 6 mm - 12 mm - 6 mm

Internal pane	SGG PLANITHERM T on clear, coating face 3	Clear	Clear	Clear	
External pane	Clear	SGG PLANITHERM T on clear, coating face 2	SGG PLANITHERM T on green, coating face 2	SGG PLANITHERM T on blue, coating face 2	
Light factors	LT % LRe % LRI%	75 11 11	75 11 11	62 9 10	49 7 10
Solar factors	g-value Shading coef.	0.60 0.69	0.54 0.62	0.38 0.42	0.35 0.40
U-value W/(m ² .K)	12 mm Air 16 mm Argon	1.8 1.3	1.8 1.3	1.8 1.3	1.8 1.3

Average values according to ISO 9050 and EN 673 standards, and subject to modification. SGG PLANITHERM T complies with the requirements of the class C of the standard EN 1096 and is CE marked.

SGG PLANITHERM, SGG PLANILUX, SGG BIOCLEAR, SGG STADIP SILENCE, SGG PARSOL, SGG COOL-LITE and all other devices and logos are registered trademarks of Saint-Gobain.