



SGG PLANITHERM®  
TOTAL+

*Advanced  
performance  
low-E glass*

# SGG PLANITHERM® TOTAL+

Advanced performance low-E glass for maximum energy efficiency without compromising on comfort

SGG PLANITHERM TOTAL+ is a high performance low-E glass, developed and manufactured in the UK. It has been designed to achieve the best possible Window Energy Ratings (WERs) and as such is one of the most energy efficient window glass products available for residential renovation projects.

## Benefits

### Energy Savings



- Improvement in the energy efficiency of your home thanks to its all-round balance of thermal insulation and maximising free solar gain
- Helps to achieve the best Window Energy Rating performance
- Reduces the amount of energy required to keep your home comfortable
- Environmentally friendly solution, given the lower CO<sub>2</sub> emissions associated with reduced energy consumption

### Winter Comfort



- The amount of heat lost through windows is significantly reduced as the coating keeps heat from escaping through the glass
- Helps to eliminate cold areas around your windows, making your home warmer and reducing your energy bills

### Comfort & Aesthetics



- Helps to eliminate cold areas around windows resulting in greater comfort and fewer cold spots
- Reduces incidence of condensation on the inner pane
- Neutral appearance in both transmission and reflection
- Maximises entry of natural daylight
- Maximises use of living and working areas

## Product Combinations

By combining SGG PLANITHERM TOTAL+ with other specialist glass products from the Saint-Gobain Glass range, a multitude of high performance solutions can be achieved.

### Acoustic Glazing

SGG STADIP SILENCE is a sound control laminated glass, which noticeably reduces noise whilst also offering the same safety and security characteristics as laminated glass.

### Window Energy Ratings

Combining SGG PLANITHERM TOTAL+ with SGG DIAMANT low-iron glass in the outer pane can improve the energy index of a given window by further increasing solar gain.

### Vision Control

SGG DECORGLASS is a range of traditional patterned glass with varying obscuration levels which can be combined with SGG PLANITHERM TOTAL+ to offer privacy in various applications. SGG MASTERGLASS (a range of contemporary textured glass) and SGG SATINOVO MATT (acid-etched glass) offer further design possibilities.

### Anti-Condensation

SGG VIEWCLEAR is a neutral anti-condensation coating designed to significantly reduce the number of days where external condensation may occur on an insulating glazing unit.

## Technical Data

### Performance Data

Performance Data	Double-Glazed Unit		Triple-Glazed Unit	
Internal Pane	SGG PLANITHERM TOTAL+			
External Pane	SGG PLANICLEAR	SGG DIAMANT	SGG PLANICLEAR	SGG DIAMANT
Composition in mm	4(16)4		4(16)4(16)4	
Low-Emissivity Coating Position	Face 3		Face 3/5	
LT	81%		72%	73%
LRe	12%		16%	
LRi	13%		16%	
g-value	0.73	0.75	0.63	0.64
Shading Coefficient	0.83	0.86	0.72	0.74
U-value in W/m <sup>2</sup> K** Air	1.4		0.8	
90% Argon	1.2		0.6	

SGG PLANITHERM TOTAL+ meets the durability requirements of class C of European Standard EN1096. Light and solar performance are in accordance with EN410.

SGG DIAMANT, SGG DECORGLASS, SGG MASTERGLASS, SGG PLANICLEAR, SGG PLANITHERM, SGG SATINOVO, SGG STADIP SILENCE, SGG VIEWCLEAR and all other devices and logos are registered trademarks of Saint-Gobain.



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