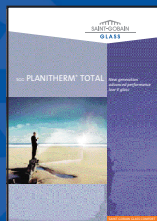
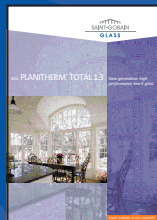


# SGG PLANITHERM Family Values

SGG PLANITHERM® TOTAL 1.3 New generation high performance low-E glass					
Normal ε = 0.09	U-value* (W/m²K)		Solar Factor** (g)		
	Air	Argon (90%)	SGG PLANILUX clear float	SGG DIAMANT low-iron	SGG BIOCLEAR self-cleaning
4 (16) 4	1.5	1.3	0.66	0.71	0.65
4 (20) 4	1.6	1.4			

SGG PLANITHERM® TOTAL New generation advanced performance low-E glass					
Normal ε = 0.04	U-value* (W/m²K)		Solar Factor** (g)		
	Air	Argon (90%)	SGG PLANILUX clear float	SGG DIAMANT low-iron	SGG BIOCLEAR self-cleaning
4 (16) 4	1.4	1.2	0.66	0.71	0.65
4 (20) 4	1.4	1.2			

SGG PLANITHERM® ULTRA N Superior performance low-E glass					
Normal ε = 0.03	U-value* (W/m²K)		Solar Factor** (g)		
	Air	Argon (90%)	SGG PLANILUX clear float	SGG DIAMANT low-iron	SGG BIOCLEAR self-cleaning
4 (16) 4	1.4	1.1	0.63	0.67	0.61
4 (20) 4	1.4	1.2			



\* Centre-pane U-values have been rounded in accordance with EN 673. For Window Energy Ratings simulators, should calculate whole window U-values from first principals using surface emissivity (ε).  
\*\* With low-E coating on face 3.



## Why use SGG PLANITHERM glass instead of traditional thermally insulating glass?

SGG PLANITHERM is a high performance thermally insulating glass and gives:

- **Better thermal insulation** - reducing heat loss further, saving you even more money on heating bills.
- **More comfortable rooms** - better insulation means fewer cold spots and drafts near windows or doors.
- **Less condensation** - the inner surface of the glass stays warmer thereby reducing the likelihood of condensation.
- **Less of a tint to the glass** - this gives clearer vision through your windows and means your curtains or Georgian Bars do not look dirty or discoloured.
- **More light** - less tint also means more light can enter the room, making a more comfortable environment and reducing the need for extra lighting inside.
- **Less chance of 'haze' (dusty effect)** - this effect is more common with traditional types of thermally insulating glass due to the way it is manufactured.
- **Environmentally friendly** - less need for heating helps to reduce energy consumption.
- **Window Energy Rating** - SGG PLANITHERM TOTAL combines excellent thermal insulation with high solar heat gain, making it one of the most energy efficient products available under the BFRC Window Energy Rating scheme.

Distributor

Please ask your current supplier about SGG PLANITHERM

Visit [www.energy-efficient-glass.com](http://www.energy-efficient-glass.com) or email [glassinfo.uk@saint-gobain-glass.com](mailto:glassinfo.uk@saint-gobain-glass.com)