

Data Sheet for Planitherm Total Glass (Low Emissivity Soft Coat Glass)

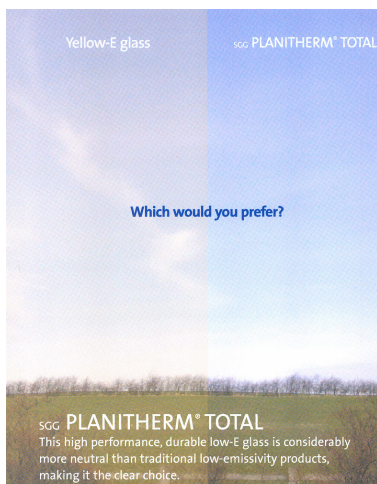
What is Planitherm Total?

A unique combination of multiple metal oxide layers are applied to high quality clear Planilux float glass using a magnetically enhanced cathodic sputtering process under vacuum conditions. The resultant microscopically thin and transparent metallic coating very effectively reflects long-wave heat radiation back into the room, thereby retaining heat within a building, whilst maximising natural light transmission.

What are the benefits of Planitherm Total?

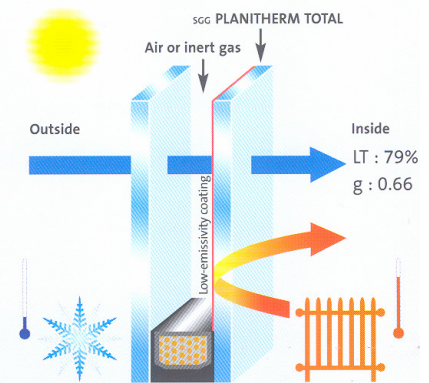
Planitherm Total offers a number of key benefits that differentiate it from other low-E products.

- It is durable – the coating is easy to process and ensures the highest levels of quality for finished units
- 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
- Less tint to the glass – this gives clearer vision through the units and curtains and Georgian bars do not look dirty or discoloured. Traditional hard coated low-E glasses often look discoloured
- Less chance of ‘haze’ – 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

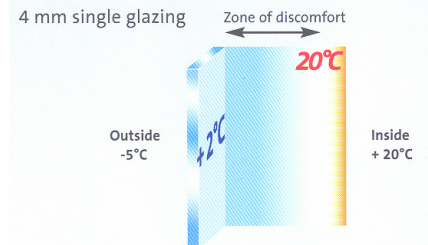


SGG PLANITHERM TOTAL	
U - value	1.2 W/m²K
<small>(4(16)4 unit with 90% argon gas filling)</small>	
Light Transmittance	79%
Light Reflectance	12%
Solar Factor	66%

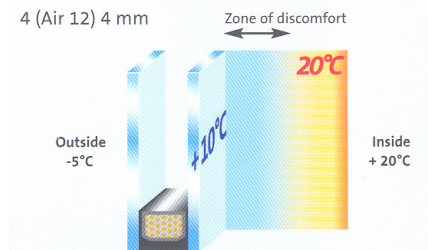
Double glazed unit with SGG PLANITHERM TOTAL



Temperature of the inner pane



Standard clear float double glazed unit



Double glazed unit with SGG PLANITHERM TOTAL



How is visual quality assessed?

The visual quality of a window is assessed by looking through it from the room side, at right angles to the glass, standing at a distance of not less than 3 metres from the glass, under natural daylight and not direct sunlight. Provided your vision is not impeded under these conditions; for example, by scratches, bubbles, or distortion of external objects; your windows are of good visual quality.