

**PIENAAR ENERGY (PTY) LTD**

# London restricts solar glass



## Overview

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Solar control glass consists of layers of special material on the glass, invisible to the eye, which repels solar heat but lets the sunlight in. This major energy saving benefit, in hot conditions, reduces the need for cooling systems. Solar control glass can be an attractive feature of a building whilst at the same time minimising, or even eliminating the need for an air conditioning system, reducing running costs of the building and saving energy. In hot climates, solar control glass can be used to minimise solar heat gain and. Solar control glass emerges as a pivotal solution in this regard, offering a blend of indoor temperature regulation, energy savings, and aesthetic versatility. Designed to regulate heat and light, this innovative glazing option is widely used to enhance comfort, improve energy efficiency, and create visually. Keeping the indoors cool, but still light and airy, solar control glass allows sunlight to pass through windows, reflecting and radiating a large amount of the heat away. It is suitable for windows, glass facades and roof designs for which it is most appropriate for modern architecture.

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### Solar Control

To combat this, a range of solar control glazing options are available. Solar gain is measured in g-values, and the lower this number, the better the glazing's solar control performance. For example, ...

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### SOLAR CONTROL GLASS

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### Solar Control Glass Explained

Solar control glass is specially designed to reduce solar gain and if combined with a low-e glass it can also retain heat in cooler months for perfect climate control.

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## What is solar control glass and when is it needed?

An excellent example of solar control glass being used in a workplace is Wigmore Street in London. This project included the largest structural glass panes available in the UK for the structural glass façade, ...

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## Solar Control Glass London , Energy-Efficient & UV Protection

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## Solar control glass , SunGuard glass products , Guardian Glass

Solar control glass can help mitigate glare from the sun and increase the visual comfort of building occupants, particularly if a glazed façade is directly exposed to the sun and with a high window-to ...

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## Everything You Need to Know About Solar Control Glass



It works by reducing the solar factor or G-value of the glazing. This is the percentage of solar energy that penetrates through the glass into the interior space. By lowering the G-value, the ...

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## Solar Control Glass

Solar control glass can be specified for any situation where excessive solar heat gain is likely to be an issue, eg. large facades, glass walkways, atria and conservatories.



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## What is Solar Control Glass and Is it Worth It?

Our rooflights offer Solar control glass for an innovative way to regulate heat

gain from sunlight while maintaining a pleasant indoor environment. It acts as a shield, selectively filtering out ...

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## Is Solar Control Glass Worth It? An In-depth Analysis

Let us delve into the multifaceted benefits and considerations of incorporating solar control glass into modern architectural designs, with a particular focus on the offerings from Ipswich ...

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