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Is solar control glass a good option for a building?

The increased use of glass in architecture today makes it imperative to consider the comfort of a building's occupants. 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.

What is solar control glass?

Solar control glass is a type of high-performance glazing that reduces the amount of solar heat entering a building. Filtering infrared radiation and reflecting excessive heat ensures comfortable indoor temperatures while maintaining optimal light transmission. The glass features advanced coatings, often metallic oxides, applied to its surface.

How does solar glazing work?

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 glass prevents overheating during sunny periods while maintaining visibility and minimising glare.

What are the disadvantages of solar control glass?

Disadvantages include a higher upfront cost and the need for precise installation to maximise performance. Is solar control glass expensive? It may cost more initially than standard glass, but its long-term benefits--such as lower energy bills and enhanced property value--make it a worthwhile investment for most architectural projects.

One of five key objectives in the Mayor's Solar Action Plan is to encourage solar energy installations through the planning system. This includes ...

Today, with the solar glare problem resolved, the building has settled into its role as a bustling hub of offices, retail spaces, and a top ...

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In the scorching heat of summer, our solar control glass acts as a barrier against heat gain, helping to keep your interior cool and pleasant. ...

Leading architects and engineers are calling for all-glass skyscrapers to be banned because they are too difficult and expensive to ...

Solar gain becomes a serious problem with them, especially when the designs have glass facades. It can make spaces inside quite uncomfortable. That increases the ...

In this blog, we explore how solar control glass works and how the right glazing coatings and treatments can transform both comfort and compliance.

In the scorching heat of summer, our solar control glass acts as a barrier against heat gain, helping to keep your interior cool and pleasant. Conversely, during the cold winter months, it ...

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