

Solar glass installation at night





Overview

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.

Can solar control glass reduce glare?

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-wall ratio.

How does solar control glass work?

The indoor space remains bright but cooler compared to uncoated glass. In terms of thermal insulation performance, most of our solar control glass products - those with at least one silver coating, help reflect indoor heat back into the room and form a shield against the cold exterior.

How can solar control glass help reduce energy costs?

Used in double or triple glazing, they help reduce energy costs associated with indoor heating systems. The energy efficiency of buildings can be improved as solar control glass helps limit the overheating of interiors through the glazing, therefore helping to reduce demands on air conditioning.



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Solar control Summer months can be very hot, which means keeping the inside of a building comfortable while allowing ...

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Optimizing Solar Lights for Night-Long Illumination , SOLTECH

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