



ŁOTWA SYSTEM

Solar heat reflective glass





Overview

Why should you use heat reflective or solar control glass?

The cooler ambient conditions reduce the workload of the fan and compressor, and sustained daylighting lessens the reliance on artificial lighting. So, you save on both cooling and lighting. What are the advantages of using heat reflective or solar control glass in buildings?

What is heat reflective glass?

At AIS Glass, when we refer to “heat reflective glass,” we mean glazing that actively reflects the sun’s radiant heat away from your building while still letting in natural light.

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.

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.



Solar heat reflective glass

Solar control glass , SunGuard glass products , Guardian Glass

Thermal insulation 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

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Solar Reflecting CoatingHow Is Solar Control Measured? Solar Heat Gain Or 'G' ValueLight to Solar Heat Gain (Lshg) Or SelectivityInsulated Glass UnitSolar control performance is achieved through the use of a very thin, transparent, and permanent coating that helps limit the solar energy entering inside. It helps control solar gain to various levels depending on the coating while allowing natural daylight in and views on the outside. See more about how glass is coated.See more on guardianglass .b_imgcap_alttitle p strong,.b_imgcap_alttitle .b_factrow strong{color:#767676}#b_results .b_imgcap_alttitle{line-height:22px}.b_imgcap_alttitle{display:flex;flex-direction:row-reverse;gap:var(--mai-smtc-padding-card-default)}.b_imgcap_alttitle .b_imgcap_img{flex-shrink:0;display:flex;flex-direction:column}.b_imgcap_alttitle .b_imgcap_main{min-width:0;flex:1}.b_imgcap_alttitle .b_imgcap_img>div,.b_imgcap_alttitle .b_imgcap_img a{display:flex}.b_imgcap_alttitle .b_imgcap_img img{border-radius:var(--smtc-corner-card-rest)}.b_hList img{display:block}.b_imagePair ner img{display:block;border-radius:6px}.b_algo .vtv2 img{border-radius:0}.b_hList .cico{margin-bottom:10px}.b_title .b_imagePair> ner,.b_vList>li>.b_imagePair> ner,.b_hList .b_imagePair> ner,.b_vPanel>div>.b_imagePair> ner,.b_gridList .b_imagePair> ner,.b_caption .b_imagePair> ner,.b_imagePair> ner>.b_footnote,.b_poleContent .b_imagePair> ner{padding-bottom:0}.b_imagePair> ner{padding-bottom:10px;float:left}.b_imagePair.reverse> ner{float:right}.b_imagePair .b_imagePair:last-child:after{clear:none}.b_algo .b_title .b_imagePair{display:block}.b_imagePair.b_cTxtWithImg>*{vertical-align:middle;display:inline-block}.b_imagePair.b_cTxtWithImg> ner{float:none;padding-right:10px}.b_imagePair.square_s> ner{width:50px}.b_imagePair.square_s{padding-left:60px}.b_imagePair.square_s> ner{margin:2px 0 0 -60px}.b_imagePair.square_s.reverse{padding-left:0;padding-right:60px}.b_imagePair.square_s.reverse> ner{margin:2px -60px 0 0}.b_ci_image_overlay:hover{cursor:pointer} sightsOverlay,#OverlayIFrame.b_mcOverlay sightsOverlay{position:fixed;top:5%;left:5%;bottom:5%;right:5%;width:90%;height:90%;border:0;border-radius:15px;margin:0;padding:0;overflow:hidden;z-index:9;display:none}#OverlayMask,#OverlayMask.b_mcOverlay{z-index:8;background-color:#000;opacity:.6;position:fixed;top:0;left:0;width:100%;height:100%}PilkingtonSolar Control Glass - PilkingtonSolar 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 ...

AIS Opal Glass: Stylish Energy Efficient Coated Glass

AIS OPAL - HEAT REFLECTIVE GLASS SEE MORE COMFORT AND COLOUR WITH AIS OPAL SOLAR CONTROL GLASS AIS Opal is a, heat-reflective glass with solar control ...

The Role of Reflective Glass in Reducing Solar Heat Gain And ...

Jun 16, 2025 · The primary function of reflective glass is to reduce solar heat gain--the increase in temperature inside a building caused by sunlight penetrating through windows--and to

...



Buy Solar Control Glass , Eco-Friendly & Energy-Efficient , Ipswich Glass

Dec 5, 2025 · Our Heat Reflective Glass is engineered to control solar heat gain, reducing the need for excessive cooling systems and enhancing energy efficiency. As a reputable ...

An innovative heat-reflective coating for the construction

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Reflective Glass-Shanghai Lead Glass Co., Ltd._Coated Glass...

Heat-reflective coated glass, also known as solar control film glass, is a product formed by using a vacuum magnetron sputtering process to coat multiple layers of metal and metal compound ...

Exploring glass options: Solar Reflective Glass

Aug 15, 2025 · Solar reflective glass, often referred to as "solar control glass," is a specialized type of glass designed to reflect a significant portion of the sun's heat and UV rays. It typically ...

Solar Control Glass

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 ...

Reflective Glass: Properties, Performance, Benefits, and ...

Dec 5, 2025 · Reflective glass, also known as mirror glass or coated glass, is a particular kind of glazing material designed to send back a good amount of visible light and solar radiation, ...

REFLECTASOL® , Saint-Gobain Glass

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