

Double-glass high-transmittance components





Overview

A modern technique to increase daylight transmittance uses anti-reflective coatings, which can increase the visible transmittance up to 15% (from 0.74 to 0.89) in double pane windows.

What are the characteristics of high transmittance double silver low E glass?

1.High Light transmittance:between 65-70%,and clear appearance.
2.Relatively low reflective: 10-14%. 3.Similar LSG: Around 1.8, SC and SHGC are similar. Download the complete performance data: High transmittance double silver low e glass performance.

What is a high visible transmittance window?

A high visible transmittance means more daylight presence in a given space and usually, a reduction in electric lighting and heating loads. Typical double-glazing windows show a visible transmittance of 78% and could show further reductions if low-E coatings and tinted films are included in its composition.

Who makes double silver low E glass?

Here we gathered the double silver low e glass performance data (6-12-6 double glazed units) from world famous glass manufacturers.The manufacturers include Guardian,PPG,Cardinal,Pilkington,Interpane,SSG,CSG,XYG,SYP and TG glass.

What are the components of double glazing?

The double glazing presents the following assembly: 3.2 mm AR glass, 8 mm argon-filled gap, 3.2 mm low-e glass. The absorber consists of a copper tube-plate meander (plate thickness = 0.3 mm, tube spacing = 95 mm, tube diameter = 10 mm) and a selective coating ($\alpha_e = 0.94 \pm 0.01$; $\varepsilon = 0.05 \pm 0.02$).

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How to increase Daylight transmittance in double pane windows?

A modern technique to increase daylight transmittance uses anti-reflective coatings, which can increase the visible transmittance up to 15% (from 0.74 to 0.89) in double pane windows. Low-E coating using SnO_2 , demonstrating no impact in the overall U-value factor and increasing the G-value by 7%.



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[Acoustic properties of glass: not so simple](#)

Surprise: a standard double glazed unit does not reduce sound transmission much more than a monolithic glass. What matters is the ...

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[How does low-e, heat-reflective glass work?](#)

How is heat-reflecting glass made? Heat-reflecting windows are usually sealed, double-glazed units--ones with two panes of glass separated ...

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Glass Performance-High transmittance double silver low e

Download the complete performance data:High transmittance double silver low e glass performance Insulated glass made with double silver low e are the most cost-effective energy ...

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Review on window-glazing technologies and future prospects

A modern technique to increase daylight transmittance uses anti-reflective coatings, which can increase the visible transmittance up to 15% (from 0.74 to 0.89) in double pane ...



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Double-glass PV modules with silicone encapsulation

In this paper a glass-glass module technology that uses liquid silicone encapsulation is described.

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Configuration illustration of gasochromic double glass ...

As revealed in Fig. 1 (b), the GC unit shows relative high optical transmittance in its bleached state, the increase of coloration depth and coloring/bleaching ...

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Use N-type cells, no light-induced degradation (LID), increase power generation; Unique Design with High Transmittance

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The comparison of the normal incidence spectral ...

Download scientific diagram , The comparison of the normal incidence spectral transmittance of clear glass for different thicknesses. from publication: ...

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Transmission Characteristics of Double Glass in 5G Communication

Modern glass windows, mainly double glass and low-emissivity (low-E) glass, are installed on the outer wall of the building to obtain the desired sound and heat

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Double Glass 45% Transmittance Solar Panels 215-230W, Double Glass

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Bulletproof Glass Clarity and Light Transmission

Several factors contribute to a window's light transmission--both in the case of standard commercial/residential glass and with bulletproof glass ...

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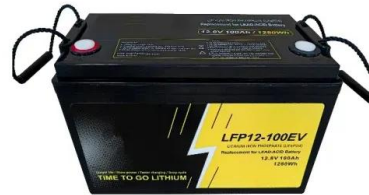




Microsoft Word

Introduction In this project we investigate the radiative properties of two particular types of glass: one of them a standard glass and the other what is called a "low - E" (for emissivity) glass. ...

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Glass Performance-High transmittance double silver low e

Here we gathered the double silver low e glass performance data (6-12-6 double glazed units) from world famous glass manufacturers. The manufacturers include ...

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Transmission Characteristics of Double Glass in 5G Communication

In this paper, the concept of an optically transparent glass-embedded frequency selective surface (FSS) and its details including the functionalities of the FSS, application ...

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(a) Transmittance and (b) reflectance spectra of the double ...

Download scientific diagram , (a) Transmittance and (b) reflectance spectra of the double coating AR glass. from publication: Development of Reliable, High Performance WLCSP for BSI ...

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