



# Solar glass transmittance value and y value





## Overview

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Enter values below and GlazSpecs will display data that are within range of your targeted value. Glaz-Tech Industries allows you to select by three different categories; Visible Light Transmittance, Low U-Value and by a Low Solar Heat Gain Coefficient.

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n the glass type. As this fragmentation accounts for 100% of the energy, the sum of the reflection, absorption and transmission is equ of the building. In the case of 5mm grey, it is 15% and lectance hrough the glass. The higher this figure the solar heat (T) and the portion of the absorbed more.

Visible Light Transmittance (Tv, %) is the percentage of incident light in the wavelength range of 380 nm to 780 nm that is transmitted by the glass. Visible Light Reflectance Outdoors/Indoor (Rv out/in, %) is the percentage of incident visible light directly reflected by the glass. Colour.

Understanding glass performance begins by understanding some key glass performance terms. Generally, the following four terms are considered very important when it comes to evaluating glass performance: Visible light transmittance (VLT) is a percentage of the visible portion of the solar energy.

Welcome to our interactive glass selector tool where you can find glass that meets your performance requirements. To get started, input your required performance data below. All performance data is determined using LBL window 7.5 software, NFRC 100 - 2010 conditions have been used. The values given.

The measured values for each of these phenomena, which are interrelated, determine the so-called solar gain or solar transmission, indicated by the parameter g. This value, which ranges from 0 to 1, indicates the ratio between the amount of solar radiation transmitted inside the building and the.

JIS R3106 stipulates methods for measuring and calculating visible transmittance,



visible reflectance, solar transmittance, solar reflectance, and normal emittance as indices for expressing the properties of flat glass. "Solar" in this context refers to the near ultraviolet, visible and near.



## Solar glass transmittance value and y value



### Performance value terms

Solar Energy Direct Transmittance ( $T_e$ , %) is the percentage of incident solar energy in the wavelength range of 300 nm to 2500 nm that is directly ...

### [Understanding Glass Performance Key Metrics](#)

These metrics help you evaluate how glass performs in terms of light transmission, heat gain and energy efficiency. Today, XYG Architectural Glass dives into these essential terminologies ...



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### [Glaz Specs Performance Calculator by Glaz-Tech Ind](#)

Glaz-Tech Industries allows you to search targeted values for either Visible Light Transmittance or Solar Heat Gain Coefficient. Enter values below ...



### Solar Transmittance/Solar Reflectance Measurement

Measurements were conducted on four types of commercial plate glass to determine their respective visible transmittance, visible reflectance, solar transmittance, solar reflectance, and ...



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### **Glass Transmission**

Solar Transmittance value are calculated as described in section Weighting Factors. The data tables in both norms do not have equidistant data so that a trapezoidal weighting is applied.



## **Performance GUIDE**



Selecting glass for a project is an important and sometimes difficult task, to assist in this process G.James offers the following recommendation for viewing glass samples.



### [Solar Factor: What It Is and How to Calculate It](#)

The solar factor helps us understand how much solar energy passes through the glass surface. Light transmission, on the other hand, represents the amount of light that the ...

### [Optical and Solar properties of glass and glazing](#)

The selectivity of glass is expressed as the ratio between its light transmission (LT) and solar factor (SF). When the selectivity of glass ...



### [Glaz Specs Performance Calculator by Glaz-Tech Ind](#)

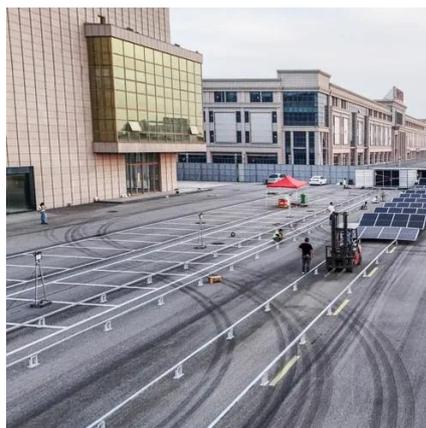
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## Glass Performance Calculator



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### [Optical and Solar properties of glass and glazing](#)

The selectivity of glass is expressed as the ratio between its light transmission (LT) and solar factor (SF). When the selectivity of glass is 2, it gives twice as much light versus heat.

### **Performance value terms**

Solar Energy Direct Transmittance ( $T_e$ , %) is the percentage of incident solar energy in the wavelength range of 300 nm to 2500 nm that is directly transmitted by the glass.



### **Key Glass Performance Measures**

Visible light transmittance (VLT) is a percentage of the visible portion of the solar energy spectrum coming through the glass. It is expressed as a figure between 0 (no light) and ...

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