

SOLAR PROPERTIES

SOLAR OPTIC PROPERTY DEFINITIONS

Ts Solar Transmittance

This is a measure of the percentage of the solar energy transmitted through the blind fabric. A lower value indicates less heat is transmitted into the room.

Rs Solar Reflection

This is a measure of the percentage of the solar energy heat which is reflected by the blind fabric. E.g. Vividshade White reflects 62%, while black reflects only 7%.

As Solar Absorbance

This is a measure of the percentage of the solar energy absorbed by the blind fabric. A higher As value indicates the blind fabric absorbs more heat.

N.B. The sum of transmittance, absorbance and reflection always = 100% (Ts + As + Rs = 100).

Tuv Ultraviolet Transmittance

The amount of UV that is transmitted through a fabric. A Tuv of 7 means that 93% of the UV is blocked. This is important when considering protection of flooring, furnishing fabrics and furniture against fading.

Tv Visual Light Transmission

This is a measure of the percentage of visual light (level of glare) transmitted through the blind fabric. A lower Tv value indicates less light is transmitted through the blind and into the room.

O-F Openness Factor

Measures the proportion of holes in a woven fabric. The openness factor can vary slightly from colour to colour. Openness also affects the degree of visibility.

G-Value

This is the percentage of solar radiation that is transmitted through a fabric. The lower the figure the better the fabric performance (A g-value of 0.28 = 28%).

G-Total

This is the percentage of solar radiation that passes through the blind and the window.

Solar properties are important when selecting screen fabrics, as the efficiency of the fabric can vary depending on the colour chosen.

When advising a customer on the fabric that they should use there are a number of factors that should be considered.

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