

Light and solar technical values

TL Transmission Light

This value indicates the proportion of visible sunlight that transmits through the fabric.

➔ For summer protection from the sun, the aim is to achieve the lowest possible value.

AL Absorption Light

This value indicates the proportion of visible sunlight absorbed by the fabric.

➔ For summer protection from the sun, the aim is to achieve the lowest possible value.

RL Reflection Light

This value indicates the proportion of visible sunlight reflected by the fabric.

➔ The aim is to achieve the highest possible value for sun protection in summer.

In total, the respective percentages must add up to 100%.

TS Transmission Solar

This value indicates the proportion of incident sunlight (entire spectrum) that penetrates the material.

➔ For summer protection from the sun, the aim is to achieve the lowest possible value.

AS Absorption Solar

This value indicates the proportion of incident sunlight (entire spectrum) absorbed by the fabric.

➔ For summer protection from the sun, the aim is to achieve the lowest possible value.

RS Reflection Solar

This value indicates the proportion of incident sunlight (entire spectrum) reflected by the fabric.

➔ The aim is to achieve the highest possible value for sun protection in summer.

In total, the respective percentages must add up to 100%.

g-value

This value indicates the amount of energy input into the room (through the material).

The lower the g-value, the less energy goes through the fabric and the lower the temperature in the room.

FC value

This value describes the reduction factor of the medium (substance).

Example: An FC value of 25% indicates that 25% of the solar energy still penetrates the fabric.

Therefore, the smaller the FC value, the greater the reduction of solar radiation through the fabric.