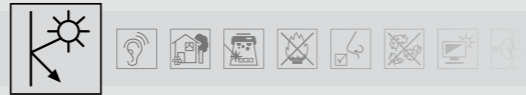


Energy Saving



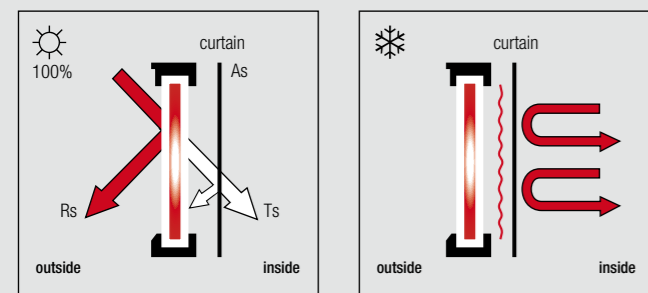
Silent Gliss offer intelligent hardware and appropriate fabrics to complement a buildings thermal control system.

Specifically developed technical textiles with white or metallic backing reflect the sunlight and avoid direct heat penetration into a room. This helps save energy used to artificially cool the building.

Silent Gliss fabrics achieve another effect during the winter. It is widely acknowledged that up to 50% of heat energy escapes through windows. The insulation properties of the Silent Gliss fabrics can contribute towards reducing heat loss and costs.



- Fabrics with high reflexion
- Fabrics with very high reflexion



$$100\% - R_s - T_s = A_s$$

Worth knowing

It is possible to regulate the temperature of a room throughout the day, or even over seasons, through textiles alone.

The following figures are relevant for optimum fabric selection:

Reflection (R_s , reflection solar)

Percentage of solar energy which is reflected by fabric (e.g. through the aluminum covered side). The higher the value the more heat is withheld.

Transmission (T_s , transmission solar)

Percentage of solar energy which penetrates through fabric as heat into the room. The lower the value, the less heat enters the room (direct and radiated heat of fabric).

Absorption (A_s , absorption solar)

Percentage of solar energy which is absorbed by the textile and therefore is neither reflected nor transmitted.

