



Silent Gliss The Collection



Custom Made Worldwide

It was back in 1952 when Silent Gliss first introduced a world premiere with the first silent curtain track system. Today they still remain the world leading manufacturer of high-end internal window treatment systems.

Quality is the common denominator of all Silent Gliss products. Only materials which fulfil the highest standards in durability, stability and precision are used for Silent Gliss systems.

Whether for shading, screen, room divider or a design element – all Silent Gliss systems are produced made to measure.



Silent Gliss Fabric Collection

Essential for the perfect window decoration is the interplay of sophisticated technique with high quality fabrics. All Silent Gliss fabrics are extensively tested on various systems for perfect hanging.

The Collection from Silent Gliss captivates with its variety of qualities. Besides transparent, dimout and blackout fabrics, Silent Gliss offers an exquisite diversity of materials, colours and special technical characteristics.

The Collection concentrates on special fabric technical features – we know that window shading is about more than just decoration.

The Silent Gliss Collection sets itself apart from other collections on the market by putting the focal point on the physical fabric characteristics. Thereby fulfilling not only the need for design but also for functionality.

All fabrics are flame retardant and excel through special additional attributes such as odour and sound elimination or antibacterial properties.



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Fabric Selection Tips

Light Collection Box

The tabs allow you to select fabrics according to transparency.

-  Transparent
-  Semi transparent
-  Dimout
-  Blackout

The Legend explains the pictograms



Practical tool

The Light Collection Box was designed as practical working tool. Its advantages are:

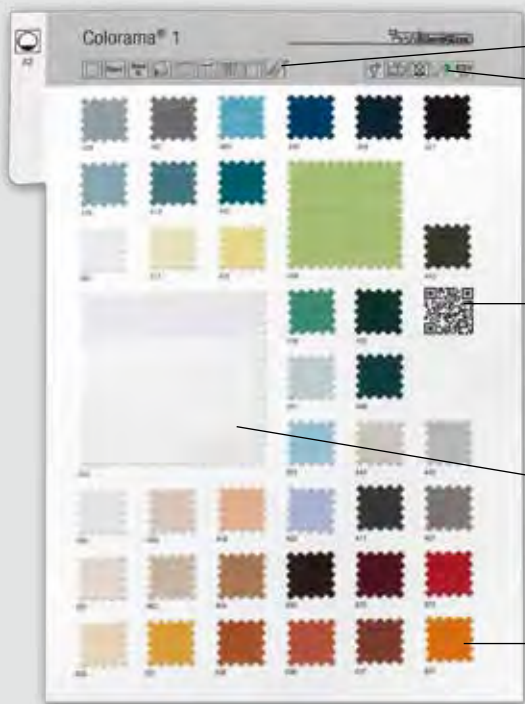
- Sized “to go”
- Should fit into most shelves
- Index facilitates a quick search
- Space for additional brochures, flyers, etc.
- Cards are colour coded with tabs to aid selection
- Clear and simple pictograms communicate key information

Sampling

The cards help the initial fabric selection. Following this, larger fabric samples are available from Silent Gliss to confirm choice and more clearly demonstrate the fabric colour and properties.

Fabric cards

Product suitability and special fabric characteristics are explained in more detail on the following pages.



Applicable product groups

Special fabric characteristics

QR-Code for online fabric information (via smart phone camera)



Surface feeler sample

Colour reference

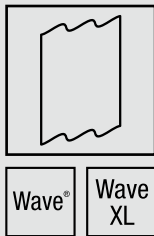
Fabric summary

Further fabric characteristics
e.g. material composition, weight
or nominal width of system

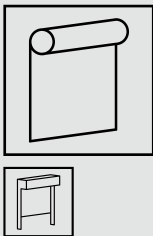
Optical and solar coefficients



Silent Gliss Product Groups



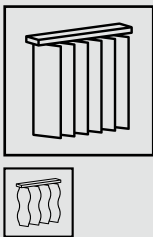
Curtain Track Systems



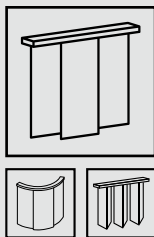
Roller Blind Systems



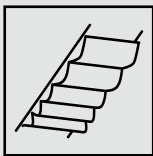
Roman Blind Systems



Vertical Blind Systems



Panel Glide/Folding Panel Systems



Skylight Shading Systems



Curtain Track Systems



Wave

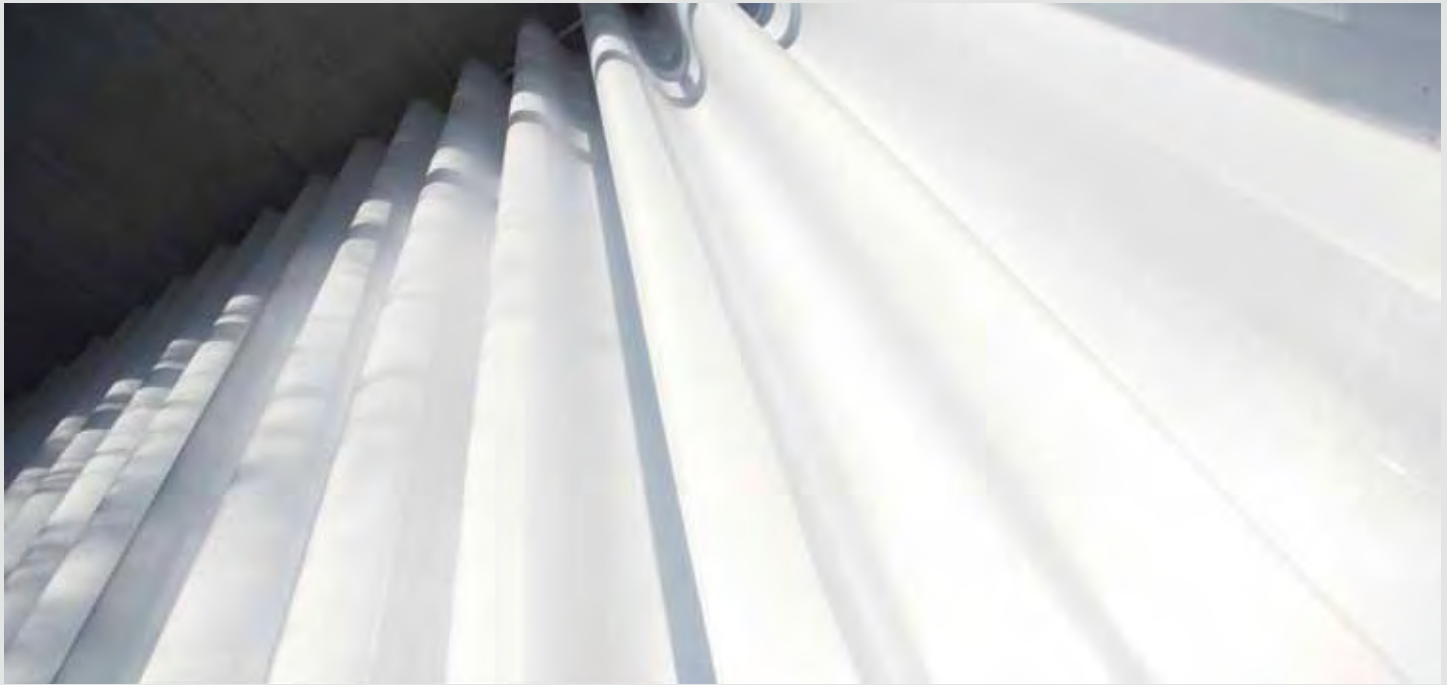
Wave XL



Silent Gliss curtain track systems offer countless possibilities for individual applications, whether aiming for a traditional or more contemporary style. They are available as electric, hand or cord operated tracks.

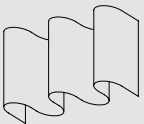
Silent Gliss Wave and Wave XL curtain heading systems offer a stunning alternative to traditional heading styles. The waves of fabric radiate harmony and calm affording any room a modern elegance.

Silent Gliss Wave and Wave XL are unashamedly remarkable and arguably offer the most beautiful curtain available.

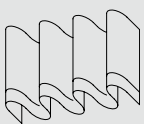


The perfect Wave

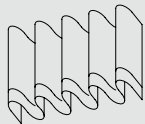
The standard Wave curtain heading system – an alternative to the traditional curtains – gives a smooth and continuous wave appearance, conveying cool elegance.



Wave XL



Wave 80 mm



Wave 60 mm



Making greater Waves

Wave XL curtain heading system is especially suitable for large and high rooms such as lobbies and conference rooms or other public spaces including hotels and restaurants. Like its small “brother”, it is convincing with its perfectly formed waves of fabric.



Fabric recommendation

The Silent Gliss classic Colorama fabric comes in two transparencies. With a wide range of colours it guarantees to be a timeless choice.



The room air specialists

Silent Gliss Freshtex fabrics combine highest aesthetics with technical functionality – for a healthy and clean indoor climate.

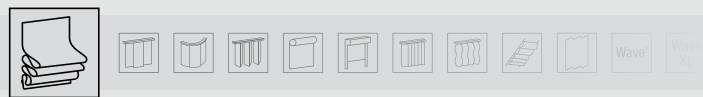


The acoustic specialists

Acoustic characteristics of the Silent Gliss fabrics reduce background noise and improve indoor sound quality. Wave and Wave XL achieve particularly optimal acoustic levels.



Roman Blind Systems



Roman blind systems fulfil the need for a decorative room design in a versatile way. No other system offers more freedom when it comes to fabric selection. Whether comfortable and cozy, modern, cool or colourful – they allow for a totally individual interior style.

The flexible soft one

The Silent Gliss Roman blind systems match every desired style due to their choice of operating methods, fabric suitability and size possibilities.



Fabric recommendation

Silent Gliss offers a variety of attractive fabrics with significant characteristics for safety and well-being, whilst still offering a wide range of colour, various textures and transparencies.

The fire safety specialists

Silent Gliss make fire safety a priority and as a result, all of our fabrics in the Collection are flame retardant without compromising style and quality.

The room air specialists

A fresh room is a healthy room! That's why Silent Gliss carries the Freshtex range of fabrics in the Collection. They contribute towards optimising the room environment through unique fabric technical qualities.

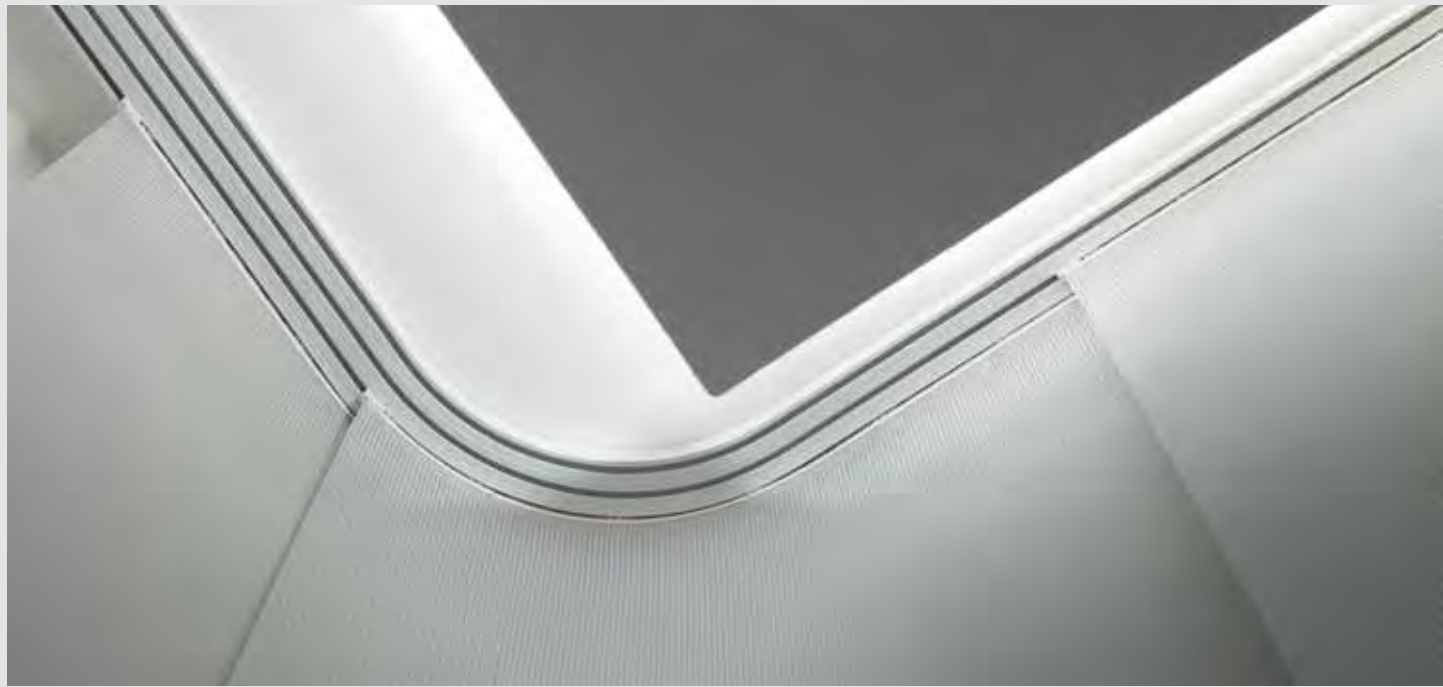


Panel Glide/ Folding Panel Systems



Panel glide systems are a contemporary, modern way to decorate the window or divide a room. The decisive elements of the room are accentuated by the clear lines of the panel glide system. Each panel can be designed to create a truly unique design.

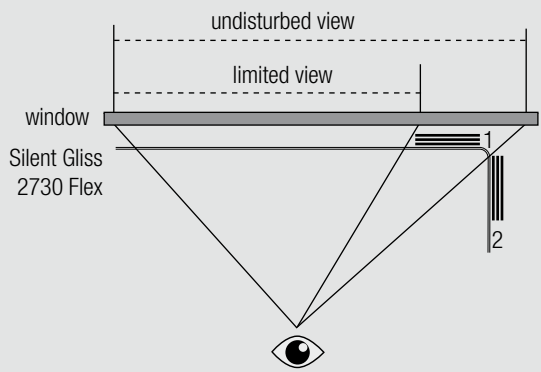
As well as the classic panel glide, Silent Gliss offer Folding Panel systems that allow the fabric panels to be folded and the light gap adjusted to filter light into a room in a remarkable way.



The one to send you round the bend ...!

The bendable system Silent Gliss 2730 Flex offers a unique and particularly clever version of the panel glide system. The system enables an effortless and smooth sliding of the panels around corners.

For the first time, the panel stack can be parked “around the corner”, offering undisturbed views.



- The grouped panel stack can be parked in various positions:
1. The panel stack in this position can limit the available view.
 2. The panel stack is parked “around the corner”, which offers an undisturbed view.



Fabric recommendation

The attractive Silent Gliss Collection consists of a variety of colours and transparencies in the highest quality. To further individualize the room, Silent Gliss offer digital print and laser cut options.

The room air specialists

The Silent Gliss Freshtex fabrics with catalyst function contribute to optimising the quality of the room air. They are especially effective when used as room divider with panel glide or Folding Panel systems.

The acoustic specialists

Acoustic properties can be compromised through corners and edges in a room. The physical characteristics of Silent Gliss acoustic fabrics in combination with the curves of Silent Gliss 2730 Flex systems help to improve sound quality in a room.



Roller Blind Systems



Silent Gliss roller blind systems lead in terms of technology and function. The discreet design of the blinds captivates with timelessness and meets the highest requirements of modern and present architecture.

The discreet colourful one

Small, trendy and colourful – the system Silent Gliss 4905 discreetly adapts to every room design. All the hardware parts can be produced colour matched across a wide range of colours. When combined with one of the 27 colours from the best-selling Colorama fabric, the blind will perfectly fit to almost any interior design scheme.



The gentle perfectionist

While standard systems are optimised for upward or downward movement, Silent Gliss roller blinds handle both with technical sophistication.

The system Silent Gliss 4910 is such a system. The elaborate inbuilt spring technique enables an equal and unparalleled smooth lifting and lowering of the blind – in every possible way. What is expected with smaller blinds becomes a huge advantage with larger blinds.

Further operational ease is possible with the high-end motorised system Silent Gliss 4960. This system offers an additional impressive variety of operational possibilities.

 The dark ones

Dimout roller blind systems are suitable for private as well as contract applications. They are installed in offices, schools, laboratories and private homes. Anywhere where it's necessary to darken the room, Silent Gliss dimout systems offer the perfect solution. The roller blind screen is embedded in profiles preventing any light ingress.



Fabric recommendation

Every roller blind fabric has been carefully tested by Silent Gliss to ensure perfect hanging and consistent functionality over time. Roller blinds look especially beautiful when used with the best-selling Colorama fabric.



€ The shading specialists

Silent Gliss offers a wide range of high quality screen fabrics with various transparencies and a maximum width of 3 meters for optimum shading.



The energy saving specialists

Screens and fabrics with a white or aluminum coated reverse reflect the sunlight and reduce heat transmission which means that less energy is needed to cool the room or building.



Vertical Blind Systems



Vertical blinds are classical window treatment systems. There are almost no comparable solutions where light and shade can be more exactly controlled in rooms. Vertical blinds offer style combined with technical precision.

Carefully selected louvre fabrics are suitable for contract and private applications. Significant importance was given to selecting fabrics which manage glare and light in a room.



The artful ones

Stunning artistic effects are achieved with Silent Gliss Vertical Waves. The Vertical Waves are laser cut vertical louvres which perfectly complement modern architecture.

Unprecedented light and shadow effects are generated through the unique designs. Vertical Waves are an eye-catching way to separate open rooms. With three different designs there are almost no limits to creativity.

Design Andrea



Design Annika



Design Maria



Fabric recommendation

The Silent Gliss Collection features a wide range of fabrics which are perfectly suitable for vertical blinds and Vertical Waves. They are characterised by particularly good linear hanging characteristics.

Multi Vision and Multi Shadow

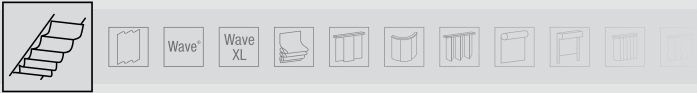
An exciting and modern fabric which is perfect for both Vertical Wave and digital printing.

Function

This fabric is especially weaved for 89 mm and 127 mm louvres. The louvres overlap precisely and achieve premium requirements for hanging vertical louvres.



Skylight Shading Systems



Modern architecture shows that the use of daylight inside buildings continues to grow in importance. Modern glass roofs with large dimensions and wintergardens with complex structures are not a rarity anymore and challenge window treatment providers.

Whether soft and curvaceous Roman blinds or cool and technical panels – Silent Gliss offers the perfect solution for every skylight situation.



The Roman blind types

Skylight shading system Silent Gliss 2190 (manual) and Silent Gliss 2195 (motorised) or system Silent Gliss 8700 – all three offer high functionality with a soft blind style.



The Roller blind type

Linear, efficient and minimalistic – the motorised skylight shading system Silent Gliss 8600. It uses a tensioned blind technique which works particularly well with screen fabrics.



The Panel type

The system Silent Gliss 8800 is a highly efficient way to control light from above. The sunlight can be accurately regulated and unwanted glare avoided through moving and tilting the panels.



Fabric recommendation

The shading specialists

The assortment of extensively tested and highly validated screens fulfills every demand regardless of the required transparency. The Silent Gliss screens are optimised to achieve the desired glare whilst at the same time maximising the external view.

The reflection specialists

In situations where light reflection is important, choose from a range of specifically white woven or aluminium backed fabrics.



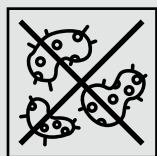
Silent Gliss Fabric Special Functions



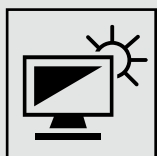
Fire Protection



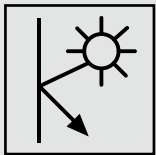
Freshtex



Antimicrobial



Light Management and Glare Shield



Energy Saving



Acoustics



Sustainability



Digital Print and Laser Cut



Fire Protection



Decorative textiles like curtains are the most common fire accelerant in buildings. In line with omnipresent fire protection and fire fighting, measures to avoid human and property damage gain importance.

With this in mind, decorative fabrics are now produced with flame retardant properties.

-  Fabrics with this pictogram are supported with at least one European FR certificate.
-  Fabrics with this pictogram exceed the standard norms and are incombustible. These are particularly recommended in highly populated areas.



Fire regulation standards

A2	DIN 4102-1 (Deutsche Industrie Norm)
B1	DIN 4102-1 (Deutsche Industrie Norm)
M1 / M2	NF P 92-503-507 (Norme française)
BS 5867	Part 2, Type B / Type C (British Standards)
B-s1	EN 13501 (European Norm)
Class 1	UNI VF 8456 (Ente Nazionale Italiano di Unificazione)

The adjacent pictures show various tests which determine the combustibility of fabrics. In France, for example, fabrics have to pass one of the hardest tests worldwide.



© Trevira



© Trevira

Worth knowing

Whilst flame retardancy in window treatment fabrics is a statutory requirement for commercial premises, amazingly it remains optional for domestic settings.

Silent Gliss appreciates that for most of us it is our homes that protect our family and most valuable treasures. For this reason we **only** offer flame retardant fabrics regardless of where they are being used.



☒ 

A bright, airy bedroom with a large window and white curtains, showing a view of a blue sky with clouds. The foreground is filled with a white, rumpled bedsheet.

Time	general fabric (%)	Silent Gliss Freshtex fabric (%)
0 min.	100	100
1 min.	90	30
2 min.	78	20
5 min.	72	20
10 min.	68	20

Reduction of ammoniac

The graph illustrates the percentage reduction of ammoniac over a 60-minute period for two different fabrics. The y-axis represents the percentage reduction from 0% to 120% in 20% increments. The x-axis shows time intervals from 0 to 60 minutes in 10-minute increments. The 'general fabric' (orange line with circle markers) starts at approximately 115% at 0 minutes and decreases gradually to about 62% at 60 minutes. The 'Silent Gliss Freshtex fabric' (blue line with diamond markers) starts at approximately 115% at 0 minutes, drops sharply to about 35% at 10 minutes, and then continues to decrease slowly, reaching approximately 22% at 60 minutes.

Time (min.)	general fabric (%)	Silent Gliss Freshtex fabric (%)
0 min.	115	115
10 min.	80	35
20 min.	72	28
30 min.	70	25
40 min.	68	23
50 min.	67	22
60 min.	62	22

Besides formaldehyde and ammoniac, substances like acetaldehyde, nicotine, acetic acid, hydrogen sulphide, triethylamine and methyl mercaptan are destroyed.

Worth knowing

Unhealthy elements like formaldehyde and ammoniac are present in our daily environment. Such elements can be found predominantly in varnish, glue, cigarette smoke and furniture. These elements are reported to contribute to headaches and illness and in extreme cases are carcinogenic.



Antimicrobial



Antimicrobial fabrics are one of the solutions being used to combat the transfer of germs and disease. Such fabrics can reduce the danger of cross-contamination in the health sector, retirement homes and schools, where the textiles can be helpful in reducing the growth of unwanted microorganisms.

Silent Gliss offers antibacterial and antifungicidal textiles which are suitable for such application areas.



The advantages are verifiable

- Protection against the creation and transmission of pathogens and other germs
- Health safe ingredients
- Heightened well-being of staff, patients in hospitals and guests in hotels
- Cost savings through elimination of complex disinfectant
- Scientifically proven effectiveness by independent institutes
- High laundry duty



Worth knowing

The Silent Gliss antimicrobial fabrics are built upon various principles and differ in their impact. Regardless of technique they are all harmless for humans and animals and will not trigger any irritation or allergies.



These fabrics are equipped with a special silver based antibacterial coating and comply with the standards ASTM E 2149-01. As a result, these fabrics are suitable for applications in sensitive areas and help promote a clean, fresh and healthy environment.



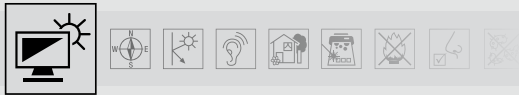
These fabrics are manufactured with a high class Trevira bioactive fibre with integrated silver ions. This antibacterial characteristic is not a fabric coating, it is inherently woven into the fabric. This maximises the ability to wash the fabric and increases the longevity of the antimicrobial affects.



Fabrics with this award have an increased resistance against mould (tested according to ASTM G21-09). This is a particularly important requirement in areas with high air humidity. Additionally, the longevity of the textile is increased.



Light and Glare Management



Achieving optimum light levels, especially at workstations, is a crucial success factor for productivity. The challenge as always is to maximise natural daylight whilst avoiding glare.

Silent Gliss have included a range of fabrics in the Collection which aim to manage glare whilst maintaining daylight and retaining an outside view. Managing glare is also important when it comes to protecting furniture and pictures since aggressive UV rays destroy pigments and surfaces.

-  Maximum outside view with lowest transparency
-  Various transparency classes within the same fabric quality for a consistent look on different building facades



Worth knowing

Depending on the cardinal direction, location and window glass, different fabric transparencies are required. The critical unit for glare shield is Tv (visual transparency). The lower the value the more sunlight is withheld. As general benchmarks, the following suggestions can be given:

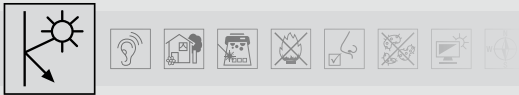
Cardinal direction	Intensity of illumination	Visible light transmission (Tv)
South	75.000–100.000 lux	0–5 %
West / East	max. 60.000 lux	2–6%
North	max. 20.000 lux	15–20%

Openness factor

For certain fabrics, the openness factor is stated. This is an American measurement which indicates the translucence in percentage terms.



Energy Saving



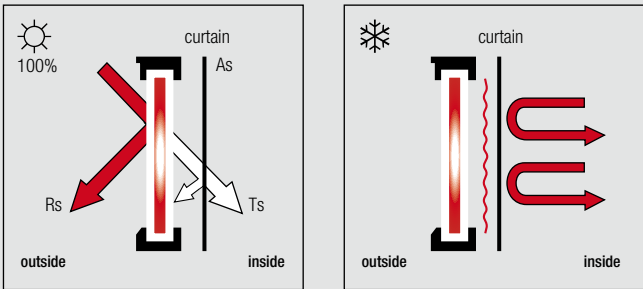
Silent Gliss offer intelligent hardware and appropriate fabrics to complement a buildings thermal control system.

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 (Rs, 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 (Ts, 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 (As, absorption solar)

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



Acoustics



Rooms where people work, communicate or relax are made up of sound absorbing surfaces. Window treatments are one of these surfaces and can play an important role in achieving acoustic goals.

Basically all fabrics are sound-absorbing. The thicker the fabric, the higher its effectiveness. Acoustic fabrics display a high acoustic potency compared to their tissue thickness.

As well as the fabric properties, the way the fabric is used is critical. Silent Gliss offer Wave and Wave XL which have additional acoustic benefits as well as being a highly stylish solution.



α-W-value

The common comparative value is the α-W-value. The higher the value the higher the acoustic absorption of the textile. However, the pitch of the actual sound has to be considered. For example in offices the frequency range of 500-1000 Hz in which the human voice moves, has to be optimised.

Silent Gliss Wave systems with the best-selling fabric Colorama reach an absorption factor of 0.65. This equates to the acoustic absorption class C.

α-W-value	acoustic absorption class
0.90–1.00	A
0.80–0.85	B
0.60–0.75	C
0.30–0.55	D
0.15–0.25	E
0.00–0.10	unclassified



Worth knowing

Reverberation time

The acoustic situation in rooms can be evaluated with the help of the reverberation time. It indicates how long the acoustic noise needs in order not to be heard. That's why the reverberation time directly influences the speech intelligibility in a room.

The general goal is to "adjust" the reverberation time (in consideration of the room volume and the existing absorption surfaces) in accordance with the room usage.



Sustainability



If 'Green Buildings' is important, then Silent Gliss is a reliable partner. Products meet the highest quality and functionality backed by a clear know-how as to which ones offer the maximum benefit for residents, investors and the environment. This is a direct result of a combination of the highest product quality and the knowledge and experience of Silent Gliss consultants.

 Fabrics supported by at least one ecological certification (e.g. Oeko-Tex, Greenguard)

 Fabrics with distinct characteristics which support the goals of a sustainable building



Monte Rosa SAC Lodge, Zermatt, Switzerland, Minergie (© ETH Zürich / Tonatiuh Ambrosetti)

Application area

Using the example of LEED and BREEAM, the following listing shows in which areas Silent Gliss systems and/or fabrics contribute to the goals of system certification.

If support for other systems such as DGNB (DE) or Minergie (CH) are required, please contact Silent Gliss.

LEED 2009 for New Construction and Major Renovations

Valuation Area	Assessment Criteria	Silent Gliss Contribution
Sustainable Sites	Credit 8 Light Pollution Reduction	
Energy and Atmosphere	Optimise Energy Performance	
Materials and Resources	Recycled Content Regional Material (evtl.)	 
Indoor Enviromental Quality	Low-Emitting Material Controllability of Systems - Lighting - Thermal comfort Thermal Comfort Design daylight views	  
Innovation and Design process	Innovation in Design: Recycled Content	specific fabrics

BREEAM for offices and hotels

Valuation Area	Assessment Criteria	Silent Gliss Contribution
Health and Well-being	Daylight	
	Occupant thermal comfort	
	Acoustics	
	Indoor air quality	
Pollution	Lighting quality	
	External light pollution	
Energy	CO ₂ Emissions Energy Efficiency	 

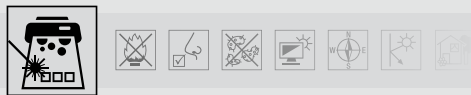
Worth knowing

More and more buildings worldwide are engineered and tested according to sustainable criteria. The most well-known “Green building” rating systems are the English BREEAM and the American LEED.

Both are the inspiration for many national systems, yet the certification systems are tied regionally and differ in their basis of evaluation. The common goal to test and promote economical, social and ecological compatible buildings unites the various systems around the world.



Digital Print and Laser Cut



For the ultimate in customisation, Silent Gliss offer a professional digital print and laser cutting service. There really is no limit to your creativity or imagination.

A souvenir photo from a recent holiday, a nature theme or a company logo or product, any of these images can be produced professionally printed on a blind. Or alternatively consider your own pattern or laser cut design incorporated into a fabric.



Worth knowing

The best results are achieved if printed fabrics are used with the following systems:

-  Roller blind system
-  Panel glide system
-  Panel glide system, curved
-  Vertical blind system

If you can't find the exact colour of fabric you need then Silent Gliss can print any Pantone colour onto a fabric – total individuality!



www.silentgliss-collection.com