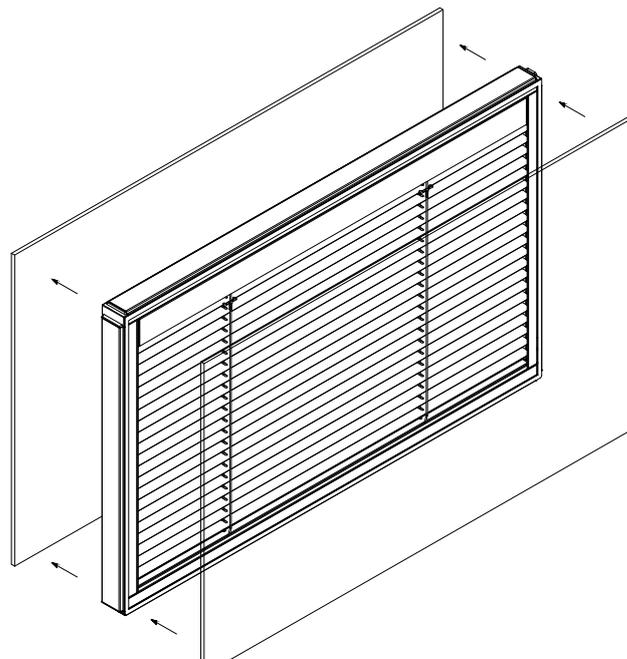


SANCO[®] CONTROL

The ISO-Roll system / the ScreenLine[®] system



SANCO CONTROL: BALANCE WITH NATURAL LIGHT





The art of providing proper shade

Light-flooded room concepts are the symbol of contemporary building culture. Lots of natural daylight is associated with openness and transparency. The generous incidence of light can however present problems in some circumstances, since the incident sunlight can also cause glare or can overheat the room during summer. The collective requirement when constructing a modern glass facade is an adaptable shade system. Our answer is SANCO CONTROL, the shade system inside the cavity of insulating glass. It ensures a high degree of visual and thermal comfort that can be controlled by varying the slat angles, either manually or using motors, to suit the climatic conditions and light situations.



DESIGN WITH LIGHT – IN THE HOME, OFFICE, SURGERY OR SCHOOL

Light becomes a wellness factor in the home

Light is increasingly dominant in the home, and so is making inroads into the private construction industry. Large-area glazing is no longer confined to the living room, it is also taking being used to separate bathrooms, work areas and leisure areas from the outside world. Discretion is being given a whole new dimension, thanks to a transformation of the house into a flowing landscape where working and living go hand in hand. The focus here is not only on the job of providing shade, but also on preserving privacy.

Different activities call for a flexible system that can adapt to the needs of the moment. SANCO CONTROL always offers as much transparency as is needed, and as much seclusion as possible. This means that rooms can be temporarily separated and certain light situations can be created without having to go without the advantages of glass. Besides a proper balance between light incidence and the required brightness, the hygienic aspect too favours an integrated system. Protected from dirt and dust in the insulating glass cavity, cleaning is negligible. Design latitude thanks to colour variety, and all-round protection thanks to multifunctionality, together complete the features of this glass application.





Optimum light conditions in architecture

The pure functionality of previous building shells has long been obsolete: today, a wide variety of requirements are closely intertwined when modern glass facades are constructed. Plenty of natural daylight is a crucial factor for agreeable working conditions. But just as important is being able to guide this incident light. Unwelcome heating up of interiors due to the solar energy entering them has to be countered. Keeping the air-conditioning costs of the building as low as possible is a central task of holistic planning work.





SANCO CONTROL – ISO-ROLL SYSTEM

SANCO CONTROL – the ISO-Roll System

ISO-Roll is a double or triple insulating glass with a film roller blind inside the cavity, providing shade for anti-glare protection, solar control and thermal insulation. It is available with either a transparent or non-transparent roller blind, and is suitable for glazing both in the facade and for the roof. For use in facades, the film is cross-structured for visual reasons. The transparent film offers effective solar control and anti-glare protection while ensuring a view to the outside; it also reduces the luminance and conforms to EU directives on workplaces with display screen equipment. If rooms have to be heavily darkened, the non-transparent film is used.

Advantages of the transparent roller blind

In summer, the heat build-up inside the building is reduced, while in winter the solar gain can be exploited. The roller blind can be operated electrically and is infinitely positionable. This means that in the cooler seasons, the roller blind can be closed far enough to protect against glare. At the same time, the solar energy input and light incidence through the non-shaded glass surface can be put to use. The total energy transmittance (g-value) varies depending on the roller blind position.

When it comes to providing shade for buildings with workstations, the ISO-Roll system meets the requirements of German workplace regulations (ArbStättV): a line-of-sight link to the outside, sufficient natural light, agreeable room temperature and protection from glare at workstations with display screens.

Variant with movement direction from the bottom upwards

With this product, the roller blind closes from the bottom upwards. This means that the need for screening in the lower area of the glass during daytime can be met when the glazing is room-height.

VARIANT CLOSES FROM THE BOTTOM UPWARDS



Drive and controls

The roller blinds are powered by a high-quality and maintenance-free 24V DC motor. Single or grouped controls, infrared remote controls, temperature or sun sensors, timers and BUS systems; a variety of combinations is possible.



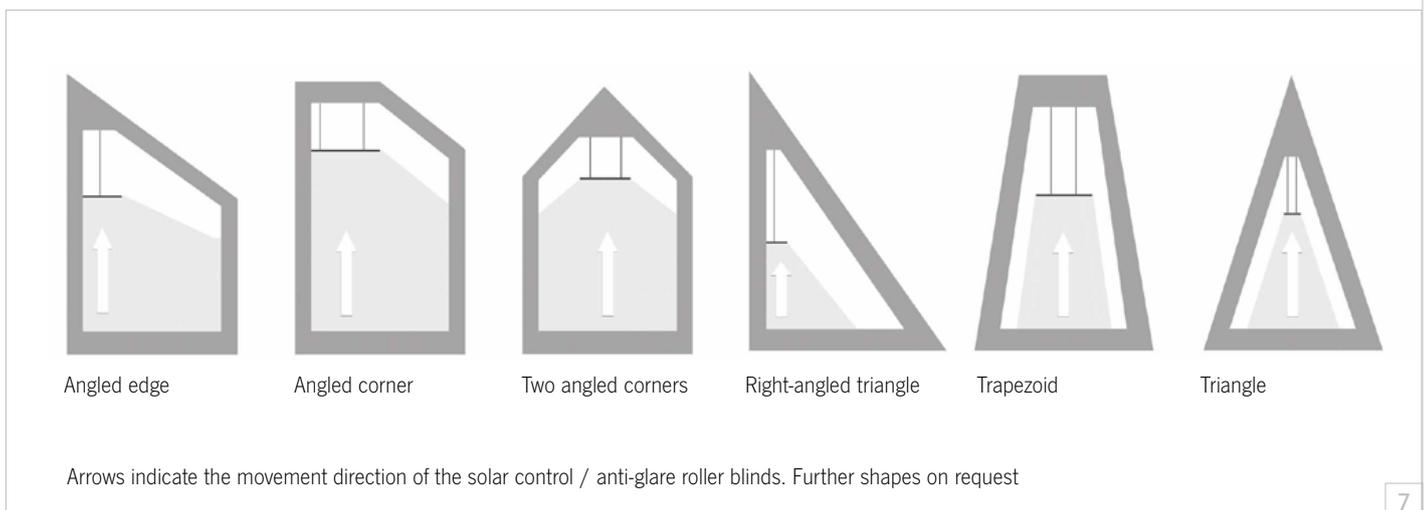
Film type / colours	Film silver/black non-transparent	Film silver/grey transparent	Film silver/grey transparent
Facade cross-structured 	Roof flat-structured 	horizontal 	vertical 
Appearance			

Special shapes – edge covers and motor covers

With ISO-Roll, customised glass surfaces (special shapes), for example trapezoidal, triangular or angle-edged, can be created for both facades and roofs.

The possible shapes, together with the attractive look of the windows when the roller blinds are closed, make ISO-Roll the perfect shade system for protected buildings.

With special shapes, the closing direction of the film is towards the narrow side.





SANCO CONTROL – SYSTEM SCREENLINE

For the many requirements relating to design and function, SANCO CONTROL is available in three blind versions with different transparency stages and colours. Instead of the classic aluminium slat, a pleated blind made of Verosol fabric provides ways of effectively regulating the solar energy input into the interior. The wide product range to match the many different installation situations gives architects and contractors new latitude for design solutions using light and shade.





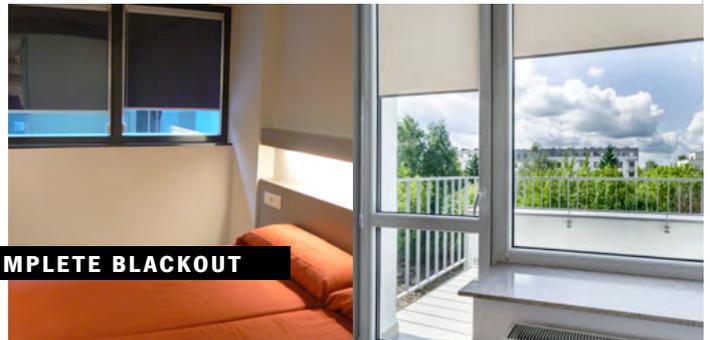
Venetian blind

For optimum regulation of the light conditions inside the room, SANCO CONTROL relies on systematic checking of the incident sunlight. Thanks to infinite regulation of the inclination angle of the slats, the light is conveyed to the ceiling and in this way indirectly distributed over the entire room. Diffuse and even illumination of the rooms is the result. Annoying reflections on monitors are greatly reduced.



Roller blind

The special Verosol fabrics are available in the densities transparent, semi-transparent and opaque. They are ideal for hotel rooms, display areas, clinics, labs, and wherever hygiene and absence of maintenance are required in blacked-out situations.



Pleated blind

As an alternative to the classic aluminium slat, a pleated blind made of Verosol fabric offers ways of effectively regulating the solar energy input into the interior. Three stages with differing fabric density permit individualised use: transparent, semi-transparent and opaque. The inside colours permit a wide range of uses. For extreme darkening, using the so-called black-out effect, the 'duette' double pleated blind is used. It allows unwanted light to be simply shut out.





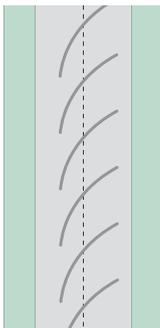
FUNCTIONS AND COLOUR SPECTRUM

Light technology

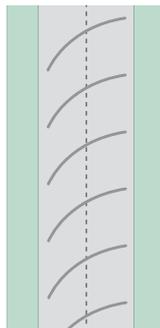
Positioning the light. SANCO CONTROL provides individualised light whatever the sun's position: complete visual screening, partial shade, or an unobstructed view with the slats opened.



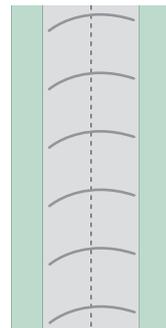
Full screening and glare prevention



Shade determined by slat angle



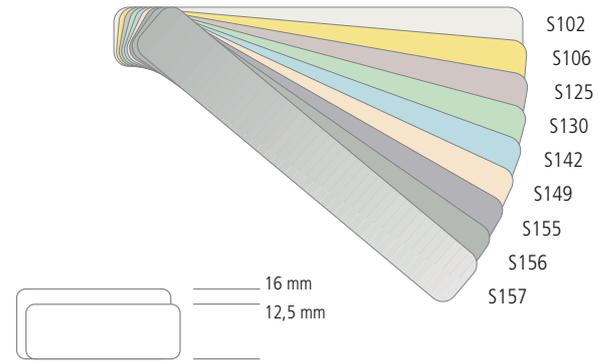
Unobstructed view



Colour spectrum

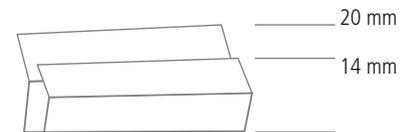
Colours reflect the facets of nature. They put life into rooms, accentuate or create harmonious moods, smoothly integrating into the respective interior concept. At SANCO CONTROL, freedom means not only countless colour variants, but also a choice between high-quality aluminium slats and superb fabrics in a variety of transparency steps.

Colours for aluminium slats

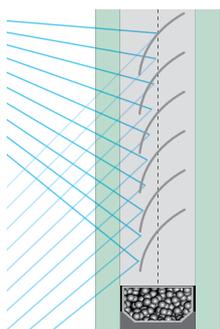


The colour selection of SANCO CONTROL inside colours

The thin aluminium coating of the Verosol fabric imparts to the blind its outstanding properties for regulating the light conditions. The pleated version is available in the transparency steps opaque, semi-transparent and transparent. The outside of the fabric is always silver-metallic.

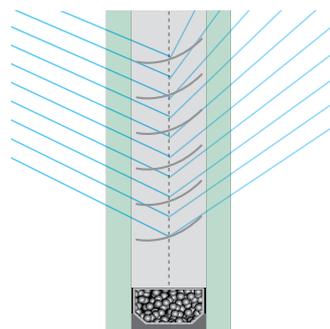


Slats: convex setting



When the slats are closed, high reflection of the incoming sunlight is achieved. As a result, only a small percentage of the heat energy penetrates into the room, and top g-values are attained.

Slats: concave setting



The position of the slats, angled to match the position of the sun, guides plenty of incident daylight into the interior. Optimum light conditions for computer workstations in conformity with the specified standard are the result.

LIGHT IN MOVEMENT

Outer motor

The outer motor can be used in all insulating glass units with front magnet control. The motor casing is, as is the case with alternative operating systems, simply glued to the glass. With each press of the knob the outer motor raises, lowers and reverses the blind – conveniently and reliably.



Inner motor

The improved electric raise/lower system is operated by an electric motor integrated into the top section and by a miniature control unit optionally equipped with an incremental encoder. It permits simultaneous and synchronised operation of several blinds. The electronic unit permits advantageous and versatile control.



Brushless Motor

The motors don't contain brushes, which means that they have no wear. They are driven by a magnetic field and are **extremely quiet and reliable**.

NO WEAR





The slats can be raised, lowered or reversed using the control elements.



Sliding magnet

The outer magnet control with detachable handle is attached to the glass pane and forms a perfect connection to the inner magnet in the centre of the bottom section. The blind is raised or lowered by the movement of the sliding control. In the Venetian blind version, the slat angle is set by a slight movement of the same sliding element.



Front turning knob

The front turning knob placed directly onto the glass pane in front of the top section by means of two opposite magnets. Turning it clockwise or counter-clockwise raises or lowers the blind and determines the angle of the slats.



W Swipe-System Battery operating module

Motor-powered raising, lowering and angle-setting of the blind is performed with a battery operating module with sensor surfaces that is attached to the window frame or directly on the glass surface. The battery module can be continuously recharged optionally using a solar panel or, if required, by a battery charger via the integrated micro USB port.





SANCO CONTROL AT A GLANCE

Persuasive features

- Flexible glare prevention and screening with excellent use of daylight
- Selective light control creates a pleasant working atmosphere
- Sun protection with a outside view at the same time
- Can be installed in almost any window, facade and partition system
- Also for model windows (e.g. trapezoid, triangles, etc.)
- Unobtrusive appearance thanks to integration into the cavity
- Design-oriented facade with high multifunctional benefit
- Variable use regardless of weather conditions
- Very hygienic thanks to protection from dirt caused by weather
- Ideal for exposed levels prone to high winds
- Safe against manual damage and destruction

Varied applications

- | | |
|--|---|
| ■ Wintergarten | ■ Clinics / nursing care areas |
| ■ Conservatory | ■ Museums |
| ■ Glass facades / window fronts | ■ Schools |
| ■ Roof windows and flower windows | ■ Offices / company headquarters |
| ■ Room dividers / partitions | ■ Rolling stock and construction vehicles |
| ■ Sanitary areas | ■ Caravans / mobile homes |
| ■ Doctors' surgeries / treatment rooms | ■ Visual screening for rest areas |
| | ■ For renovation work too |



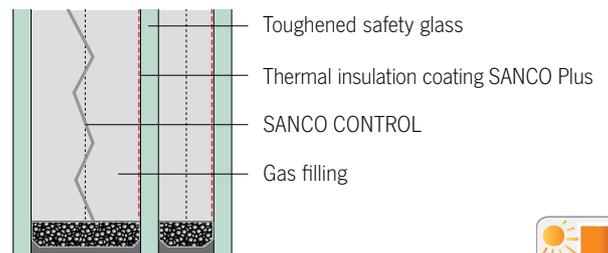


MORE THAN LIGHT AND SHADE

Energy-efficient the modern way

High energy efficiency is the ambition, and the building design looks to the future. This context involves low energy costs, minimal heat losses and more heat retrieval. The multifunctionality of large-area facade and window fronts takes on a key role here. They need an intelligent and infinitely regulated shade system characterised by variability to actual requirements.

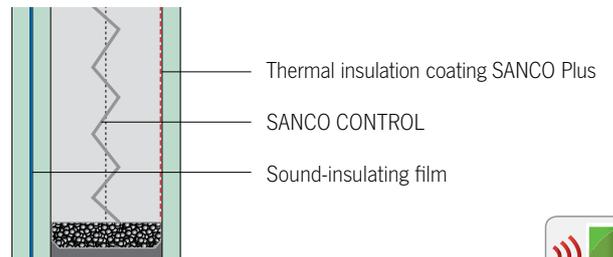
SANCO CONTROL with SANCO Plus thermal insulation glass



Excellent against noise

Enjoy the benefits of glass, with all your senses, with concentration and with calm. Our newly created and practically all-glass world presents ever greater challenges for sound insulation. We are assailed by noise from all sides. This is where multifunctional glass solutions come into play, which adapt individually to the noise source in question – a protective wall against noise, but against clear views only when required.

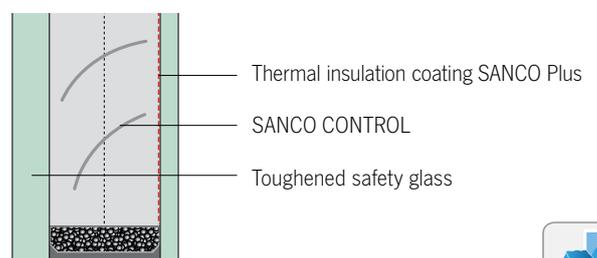
SANCO CONTROL with SANCO Phon sound insulation glass



Self-confidently secure

Glass opens up rooms which need selective protection and discretion. It is only the alternation of intimacy and openness in conjunction with the relevant safety aspects that make glass-based ideas into a perfect unit. Thanks to its extensive product range, SANCO is a dependable partner for all types of structural glass concepts – shade, screening and light guidance included.

SANCO CONTROL with SANCO Safe safety insulation glass





GLASS CAN BE MORE!



SANCO CONTROL is synonymous with stylish elegance and comfort, up to date technology, experience and innovation. Integrated shade systems are the link between nature and space, between light and living environment. The solution for rooms in which our daily life takes place.



You can get detailed information from your local SANCO partner.