

Ultra modern protection from prying eyes, glaring light and sun
with textile screens by heroal

Sun shade for sunny days.



heroal



ALL-ROUND COMFORT FOR YOUR HOME.

Modern sun protection systems are all-rounders: inside, they provide for a pleasant room climate and glare-free illumination, outside they match the looks of the building and resist the most extreme weather conditions. With the innovative sun protection by heroal, made from durable textiles and strong aluminium, you can enjoy all the advantages of modern sun protection - and rely on them for many years.

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EFFECTIVE PROTECTION FROM GLARING LIGHT: ENJOY THE SUN WITHOUT LIMITATION

External sun protection by heroal protects you from glaring sunlight at work or during a rest period - while still letting in natural daylight for you to enjoy.



This textile sun protection is installed outside, in front of the window. Depending on the fabric chosen, the sun protection can be either transparent or non-transparent. The textile reflects and absorbs sunlight, thereby reducing sun radiation by up to 100 %. That means you do not have to go without natural daylight. At the same time, UV-radiation is filtered by up to 100 %.

Daylight is important for our wellbeing. With the bespoke textile sun protection for outside installation by heroal, you can set unique accentuations of light and create a pleasant room atmosphere. Independent of whether you would like to work at your desk or have some time to relax after a long day – the textile sun protection makes it possible to use natural daylight to illuminate the room perfectly without being blinded by direct sun radiation. Textile sun protection is extremely flexible, especially long-lasting and invariably high-end.

COMFORTABLE CLIMATE: IN SUMMER AND IN WINTER

Great for your room climate: the installation of external sun protection, in front of your windows, curtain walls, patio doors or conservatories, is especially efficient at keeping the heat out in summer and the warmth in in winter.



You can create a comfortable room climate with perfect sun protection - in summer, the textile screen by heroyal offers optimal protection from heat, and in winter, it makes sure that a warm ambiance is maintained inside. In fact, sun protection systems installed outside are more efficient than those installed inside. The textile positioned in front of the window outside reflects and absorbs the sun radiation before it hits the glass. That prevents your rooms from heating up and your home from turning into a greenhouse.

At night, the loss of heat from the inside to the outside can be reduced by lowering your outside sun protection. The energetic impact can be seen from the Energy Label of the German testing institute ift Rosenheim. So you can save energy cost and at the same time benefit from a comfortable room climate - in every season.

In cooperation with ITRS e.V., the German industry association for technical textiles, roller shutters and sun protection, the German testing institute ift Rosenheim has revised the **Energy Label** for windows, in order to create more clarity for planners and consumers. The label shows the contribution of rollers shutters and sun protection to the energy balance of a building, and also explains the **energy savings**. You can be sure to achieve an improved energy efficiency class with sun protection systems by heroyal.

PROTECTION FROM PRYING EYES: BECAUSE YOUR PRIVACY MATTERS

Your own home is your comfort zone, where you would like to live and work without being overlooked. Sun protection systems do not only protect you from direct sun radiation, but also from unwanted prying eyes.

Bright, light-filled living rooms with large-surface windows and patio doors have become a standard feature of modern architecture. At the same time, we would like to work at our desks and read or watch TV without being visible from outside. We would like to protect our privacy and maintain our home as our most important sanctuary, offering the quality relaxation time we need.

For this purpose, textile sun protection by heroal offers the perfect fine-tuning of transparency and protection from view. It protects reliably from prying eyes, while still letting in natural daylight into your living area. Allow yourself the timeout you need.

COMFORT: SMART CONTROL WITH SENSORS

Away during a storm? No problem, your sun protection knows when it is time to retract. Thanks to electric control and smart sensor technology, it automatically adapts to changing weather, without any need for you to intervene.

Sun protection by heraal is equipped with a standard electric control. It provides for an automatic opening and closing of the sun protection. For this purpose, sensors, radio transmitters or apps can be used. The electronic control increases the ease of use, saves energy and ensures a long life-cycle of your sun protection. Combined with a sun sensor, your sun protection opens or closes depending on the angle of incidence of the sun's rays. This way, a comfortable room climate is created all-day, without the use of air conditioning. This saves energy and cost. Combined with a wind sensor, the sun protection retracts automatically into the box if a specific wind intensity is reached.

In addition, you can integrate the control of your heraal textile screens into your smart home system. That way, you can always keep an eye on shading your rooms and, if required, open or close your textile sun protection on your way.

The **radio transmitter** enables you to open and close the sun protection conveniently at the push of a button - via your central control, wall-controller or remote control.

The **sun sensor** reacts to the intensity of sun radiation and opens or closes automatically. This enables you to make considerable savings in energy cost.

The **wind sensor** reacts to wind intensity. Depending on its speed, the sun protection opens or closes automatically, ensuring a longer life-cycle of the product.



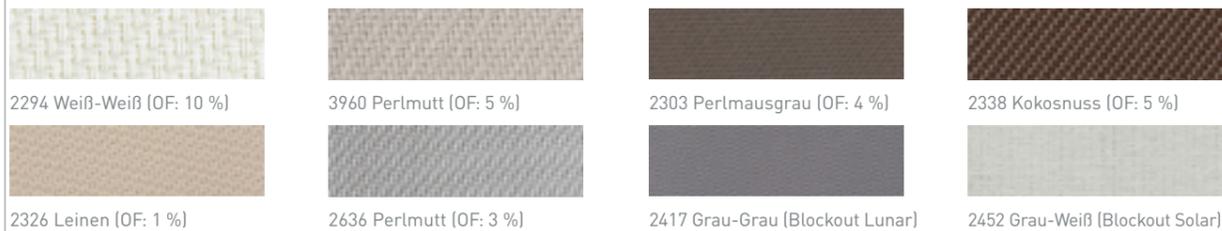
DESIGN: INDIVIDUAL LOOKS

Your home mirrors your personality. So it is good to be able to actively decide on the details of the façade of your house and interior rooms – including your sun protection system, which can be adapted to the look of your windows and doors.

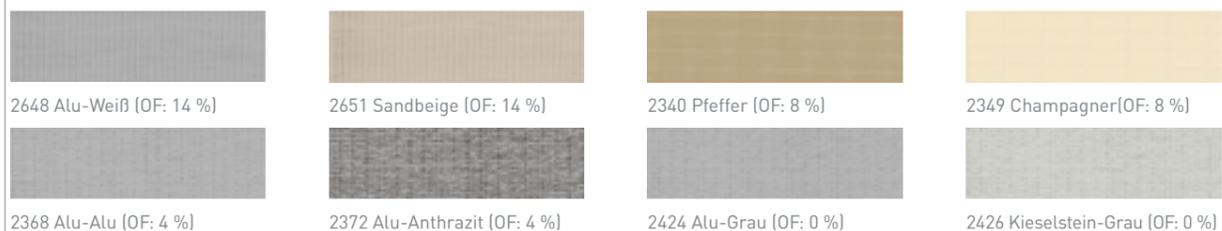
Thanks to the extensive range of designs, you can create the ideal textile screen to meet your every requirement: whether you prefer a shiny eye-catcher or a tone-in-tone design - you can choose from six different fabrics for your textile sun protection, offering a wide variety of colours and transparencies. Depending on your requirements, you can opt for a light filtering fabric allowing you to enjoy natural light with total sun protection, or room darkening fabrics providing optimal shading of your rooms.

The openness factor (OF) is a percentage indicating how much light will transmit through a fabric. The factor is about 14 % with an almost complete outward vision maintained, and 10 % with a generous vision. A factor of 4-5% indicates a good outward view, whereas a factor of 0% describes a complete blackout of light. Due to the PVC foil applied on the entire surface, the blackout fabrics Lunar and Solar are also moisture repellent. Blockout Solar textiles have an opening factor of 3 %, blackout Lunar textiles provide for a complete light exclusion.

The fabrics „**Sergé & Satiné**“ are made of woven and coated glass fibres – thanks to the glass fibre core and the PVC coating, the fabrics are very smooth and create a comfortable atmosphere. Depending on the textile, the different degrees of transparency may provide everything from an almost clear view to the outside to a complete darkening.



The fabric „**Soltis**“ is especially shape-retaining. Under high tension, the textile is stretched in both directions and then fixed using liquid PVC. Because of the high textile tension, this fabric is especially suited for covering large surfaces and a complete room darkening.

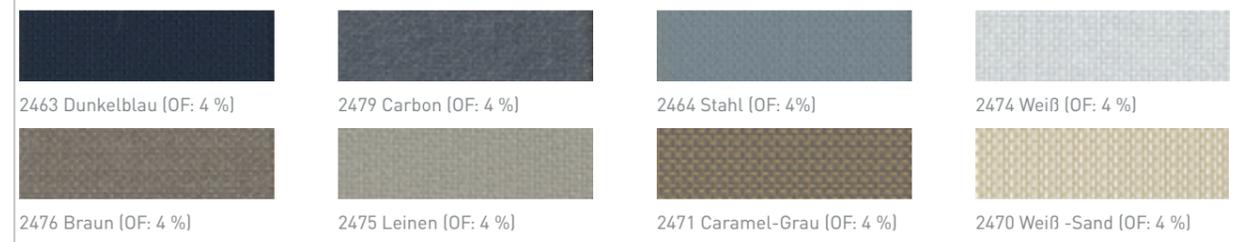


You can see the complete range of colours from our colour fans available. For printing reasons, the colours shown here may differ from the original colours.

The fabric „**Starscreen**“ has a comfortable translucency due to its unique, open weave, reflecting 97 % of sun radiation. This textile is PVC-free and, because of its special TEFLON® coating, very easy to clean.



The fabric „**Vuscreen**“ offers effective protection from heat for every glass surface due to its special pigmentation of encapsulated aluminium particles, completely PVC-free. The fine pigments reflect infrared radiation, thereby reducing the transmission of thermal energy by up to 70 %.



The fabric „**Orchestra**“ is woven from spun-dyed acrylic fibres and offers ideal performance features when it comes to colour retention, resistances and sun protection. The exclusive „Cleangard“ coating makes these textiles extremely water- and dirt-repellent.



The fabric „**Flexilight 6002 Opaque**“ is extremely resistant against UV radiation and has a highly dirt-repellent texture – which ensures appealing looks even after years of use. The PVC fabric is phthalate-free, very easy to process and also very flexible.

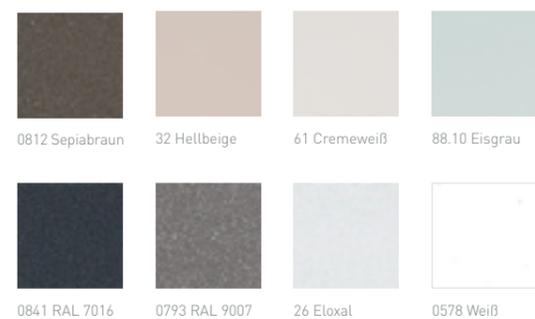




Thanks to our factory coating service, heroal offers maximum freedom of design for all aluminium parts of the textile screen. All heroal coating variants stand for especially durable and weather-resistant surfaces, protection against UV radiation, as well as colour and gloss retention. The high weather resistant **heroal hwr powder coating** offers you all the colours of the extensive RAL colour chart. In addition to this wide range of colours, you can also choose between different gloss rates – from dull matt through brilliant to metallic – with the most subtle nuances within one shade. The coating procedure **heroal Surface Design (SD)** enlarges the design options by a whole variety of looks, such as elegant wooden or modern concrete surfaces. The heroal coating service is complemented by the exclusive **Les Couleurs® Le Corbusier** partnership. It makes the 63 exclusive, nature-inspired Le Corbusier colour shades, which can be harmoniously combined, available to you.

heroal hwr powder coating

The high weather resistant heroal hwr powder coating provides for long lasting colour stability. All the colours of the extensive RAL colour chart can be applied – in different gloss rates: ranging from dull matt through brilliant to metallic.



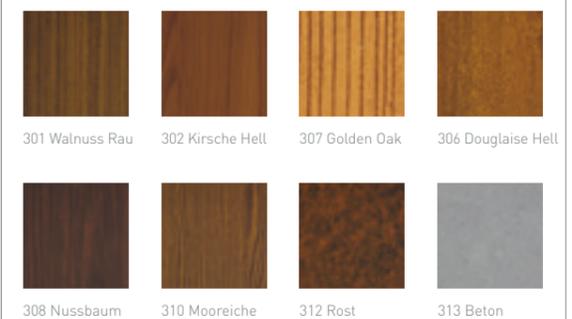
Les Couleurs® Le Corbusier

The exclusive partnership between heroal and Les Couleurs® Le Corbusier offers you a unique colour spectrum. The nature-inspired colours can be harmoniously combined, have unrivalled aesthetics, represent spatial effects and meet the demand for fine-tuned colourings.



heroal SD

The surface refining heroal SD enlarges the creative possibilities and offers particular resistibility and a high finishing comfort. First the aluminium parts are heroal hwr powder-coated and then refined in the required design.



You can see the complete range of colours from our colour fans available. For printing reasons, the colours shown here may differ from the original colours.

INSTALLATION: VARIOUS OPTIONS

The textile screen offers the ideal solution for every building. The elements can be installed in different ways, e.g. top-mounted or surface-mounted in front of the window. Thanks to the small box, the textile screen is also perfectly suited for renovations.

Whether you would like to refit your home with textile screens during renovation or integrate them directly into your new building – textile sun protection by heroal is suited for every construction situation and a variety of installations, such as to the outside of windows, facades, patio doors or conservatories. When it comes to installation variants, you can choose between a **surface-mounted box** or a **flush-mounted box**. A flush-mounted box is integrated into the façade, invisible under plastering or clinker bricks, whereas a surface-mounted box is visibly installed on top or in front of the window. To make sure that the sun protection perfectly integrates into the façade, the reveal can be covered with panels in the same colour and surface quality as the sun protection system.



Sun protection heroal VS Z with small guide rail, with a face width of 25 mm

Whether your sun protection is installed on-wall, on-window or in-reveal, the **guide rail** with its especially small face width of **25 mm** and concealed screwed connections can be ideally combined with every architectural style.

As an option, the guide rail can also be **fully plastered**.

The installation variant with a surface-mounted box provides for **90°**, **45°** and **half-round box designs**, each of them available in different sizes.



90° box design



45° box design



half-round box design

Textile screens by heroal can be manufactured in different designs and sizes, meeting your individual needs. Even really large glass panes up to 6 metres wide or high and a maximum surface of 18 m² can be ideally shaded, if required.

EQUIPMENT: PERFECTION IN THE DETAIL

Thanks to transparency or room darkening, electronic control and long-lasting reliability, textile screens by heroyal, almost on their own, ensure that you always benefit from an ideal room climate and glare-free daylight.



Components

- robust aluminium parts: box panels, end strip and guide rails
- elegant sun protection textile

Features

- especially robust and safe
- withstands wind speeds of up to 145 km/h
- highly weather-resistant, hail-resistant
- reliable protection from prying eyes, glaring light and heat
- helps to save energy cost
- also protects from insects

Sizes

- especially space-saving due to low winding diameter, installation possible for all kinds of buildings
- the small box does not impair the view out of the window
- sizes up to 6 m wide, 5 m high
- shading of large glass surfaces up to 18m² is possible

Automatic control

- electric control comes as a standard
- control via sensors, radio transmitters or apps
- increases ease of use, makes savings of energy and cost possible
- ensures a long serviceable life

Design

- highly weather resistant heroyal hwr-powder coating for the aluminium parts: all colours of the RAL chart, heroyal SD surface design and Les Couleurs® Le Corbusier shades available
- six kinds of fabrics available, offering different transparencies, performance features and wide range of colours

Textile fabric

- depending on the chosen textile, a clear view or a complete room darkening can be achieved
- extremely robust
- oil-, dirt- and water repellent
- very shape-retaining
- reduces sun radiation by up to 100 % and filters 98 % of UV radiation

Made from sturdy aluminium in combination with special woven and coated textile screens, sun protection by heroyal is weather-resistant, low-maintenance and very long-lasting. Only high-end material is used for manufacture – aluminium is almost maintenance-free, robust and easy to clean even after decades of use, thanks to its natural protection from corrosion and the high material stability. The textiles are highly weather-resistant and robust as well. They stand out because of the wide range of fabrics and colours with high UV resistance, and they are permeable to air but also dirt-, oil- and water-repellent as well as mildew resistant.

Depending on the chosen textile, sun radiation may be reduced by up to 100 %, or completely blocked out in the living rooms. Choose from the following three textile screen solutions:



heroyal VS Z

heroyal VS C

heroyal VS

Due to the system of holding the textile in the guide rails by means of a zip technology, **heroyal VS Z** offers increased stability and resistance to wind speeds of up to 145 km/h. With **heroyal VS C**, the textile is guided via stainless steel ropes on the sides, whereas **heroyal VS** provides for a guidance via the end strip at the bottom of the fabric. **heroyal VS C** and **heroyal VS** are especially suited for regions with low wind load resistance requirements.



heroyal VS Z zip technology

Thanks to the zip technology, the sun protection is very robust - in addition to the sturdy guide rails, the zips fixed to the sides of the textile ensure perfect stability. By this, a reliable guidance and long-lasting functionality can be ensured.



The heroal promise

When it comes to how we live and work, the most important thing is having choices. heroal knows that. As a family-run company with more than 140 years of experience, we believe that when it comes to quality, there are no compromises. That is why our products give you a way to create ideal solutions for nearly any requirement. As a technology leader, we believe that quality means more efficiency, more reliability and more performance – solutions that are „SIMPLY. BETTER.“.

- ✓ over 3,500 specialist partners worldwide
- ✓ products with tested quality
- ✓ family-run company with a long tradition
- ✓ made in Germany
- ✓ personalised design
- ✓ comprehensive range of services
- ✓ superior technical solutions



heroal develops and produces high-quality and innovative aluminium system solutions for **roller shutters, sun protection, roller doors, windows, doors and curtain walls**.

heroal systems set standards in innovation and quality “made in Germany” and have received numerous awards.

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