

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 heroal 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 heroal.

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 heroal 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 heroal 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.

As the sun protection heroal VS Z EM is available with an **integrated solar-powered drive**, it does not require any additional power supply. If the sun doesn't shine sufficiently, the motor can be charged via an additional interface.



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.

2294 Weiß-Weiß (OF: 10 %)	3960 Perlmutt (OF: 5 %)	2303 Perlmausgrau (OF: 4 %)	2338 Kokosnuss (OF: 5 %)
2326 Leinen (OF: 1 %)	2636 Perlmutt (OF: 3 %)	2417 Grau-Grau (Blockout Lunar)	2452 Grau-Weiß (Blockout Solar)

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.

2503 Schiefer (OF: 0 %)	2499 Grau (OF: 0 %)	2500 Stein (OF: 0 %)	2491 Naturweiß (OF: 0 %)
2502 Taupe (OF: 0 %)	2507 Ton (OF: 0 %)	2495 Düne (OF: 0 %)	2497 Greige (OF: 0 %)

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.

2648 Alu-Weiß (OF: 14 %)	2651 Sandbeige (OF: 14 %)	2340 Pfeffer (OF: 8 %)	2349 Champagner (OF: 8 %)
2368 Alu-Alu (OF: 4 %)	2372 Alu-Anthrazit (OF: 4 %)	2424 Alu-Grau (OF: 0 %)	2426 Kieselstein-Grau (OF: 0 %)

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.

2485 Schwarz (OF: 0 %)	2484 Hellgrau (OF: 0 %)	2483 Beige (OF: 0 %)	2482 Weiß (OF: 0 %)

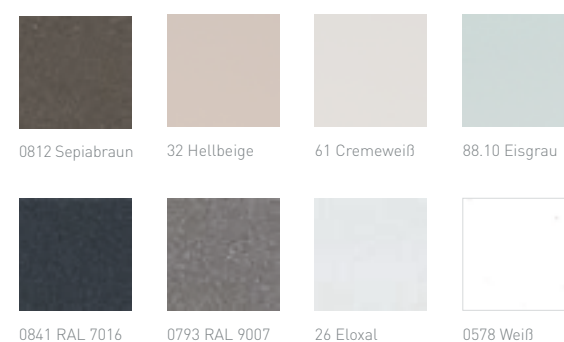
You can see the complete range of colours from our colour fans available. For printing reasons, the colours shown here may differ from the original colours.



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.

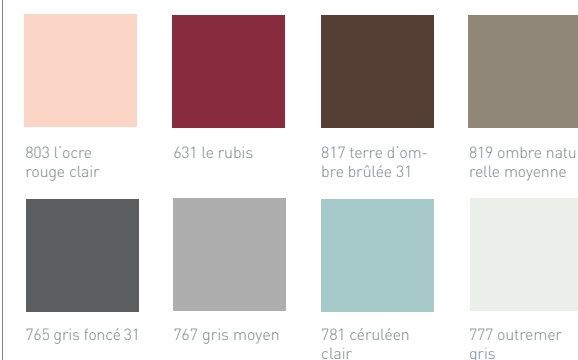
heroal hwr powder coating

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

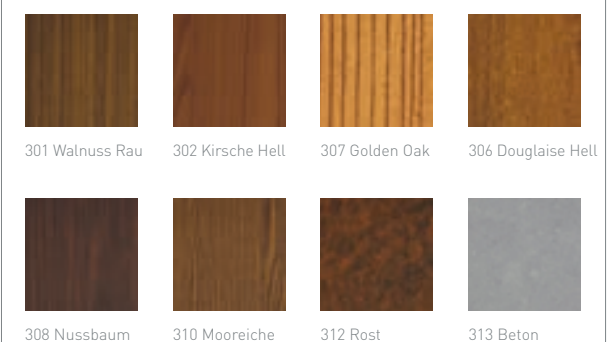
The exclusive partnership between heroal and Les Couleurs® Le Corbusier offers you a unique colour spectrum. The nature-inspired colours can be harmoniously combined, have unrivalled aesthetics, represent spatial effects and meet the demand for fine-tuned colourings.



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.

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.



INSTALLATION: VARIOUS OPTIONS

The textile screen offers the right solution for every installation situation, as it can be attached to the building in many different ways - as top-mounted or surface-mounted element, for example, or as clamp-on roller blind, for an installation without drills. Thanks to the small box size, this textile screen is ideally suited for renovation.

Whether you would like to retrofit your home with textile screens during renovation or integrate them directly into your new building – textile sun protection by heroal is suited for different types of building 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. For rented property and listed buildings, the **clamp-on sun protection** offers an ideal solution. Its installation does not require any drills damaging the window frame, and it can be removed without any leftover marking of the structure. The installation is done from inside the building, including a surface-mounted box and a solar-powered drive.



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

Even particularly large glass surfaces up to 6 m wide or 5 m high, and up to a maximum surface of 18 m², can be perfectly shaded. Corner solutions are also available, which can be used for all-glass corners, for example.

EQUIPMENT: PERFECTION IN THE DETAIL

Thanks to transparency or room darkening, electronic control and long-lasting reliability, textile screens by heroal, 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

Design

- highly weather resistant heroal hwr-powder coating for the aluminium parts: all colours of the RAL chart, heroal 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

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 18 m² 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

Made from sturdy aluminium in combination with special woven and coated textile screens, sun protection by heroal 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. 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. They are permeable to air, and at the same time dirt-, oil- and water-repellent as well as mildew resistant. Thanks to the zip fastener technology, this sun protection is extremely robust - in addition to the sturdy guide rails, the zip fasteners on the sides of the textile provide for extreme stability. These features ensure a reliable guidance and lasting functionality. Choose from the following textile screen solutions:



heroal VS Z



heroal VS Z EM

As the guidance of the textile uses a zip fastener technology, the **heroal VS Z** is firmly held in position, withstanding wind speeds up to 145 km/h. The installation of the clamp-on roller blind **heroal VS Z EM** does not require any drills and can be removed without any leftover marking of the structure.



heroal VS



heroal VS C

The textile of the **heroal VS C** is guided by stainless steel ropes on the sides, the **heroal VS** has an end strip guidance at the bottom of the fabric. **heroal VS C** and **heroal VS** are particularly suited for regions with low wind load resistance requirements.



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.

www.heroal.com