



heroal VS Z / VS / VS C

Sun protection systems



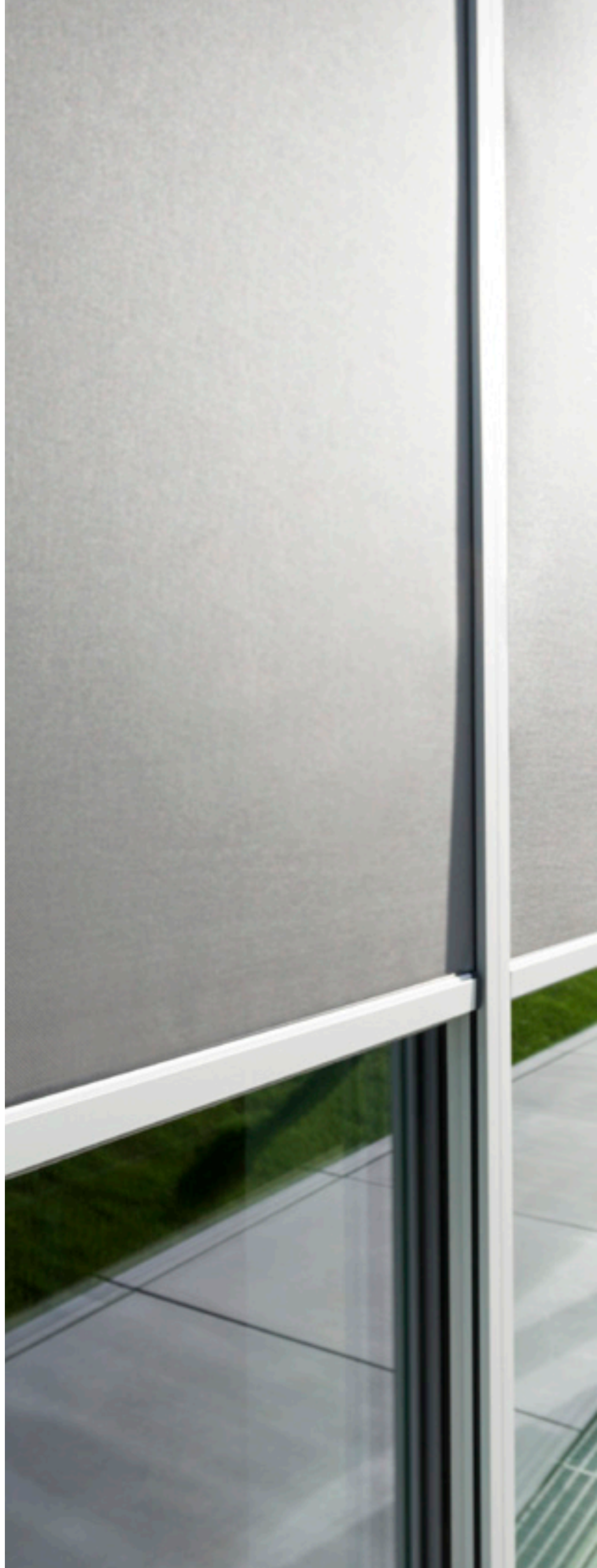
Glare-free shading: heroal sun protection systems

First-class materials, technical perfection down to the last detail and a wide range of design options are what distinguish the efficient heroal systems technology. These are benefits that impress. For decades, heroal has been a reliable partner for architects, builders and fabricators with innovative aluminium and aluminium composite solutions for the building shell.

Planners appreciate the diversity of the design possibilities, builders can bring their specific requests to life with a reliable system and our partners benefit from the economical and efficient heroal system solutions.

Just like all heroal systems, the high-quality heroal VS Z, heroal VS C and heroal VS screen systems combine durability and functionality with first-class design. The large number of textiles and surfaces, as well as the option of creating extreme element sizes, ensure maximum diversity.

The heroal VS-Z sun protection system is distinguished by its unobtrusive design thanks to the very slender guide rails with a view width of just 25 mm, the invisible screws and a continuous panel for connected systems. The full integration into the curtain wall and the option of coating the aluminium components in the same colour lets you achieve an optimal evenness of colour across the entire building shell.





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heroal VS Z

Zip screen system for high wind stability



heroal VS Z is an innovative zip screen system that is installed as exterior sun protection. The curtain is guided in the aluminium guide rails by a zip attached to the fabric. The end slat ensures that the textile is always tensioned. The high-quality textile selection is comprised of translucent and opaque fabrics, which reflect and absorb sunlight to reduce the solar radiation by up to 100%*. At the same time, the UV radiation is filtered by up to 100%*. The system provides a healthy living and working environment, a comfortable room climate on hot days and helps save on cooling and heating costs, as the ingress of heat can be individually regulated as required. The heroal VS Z also provides optimum glare-protection and a privacy screen.

* depending on the selected textile

Versions and design

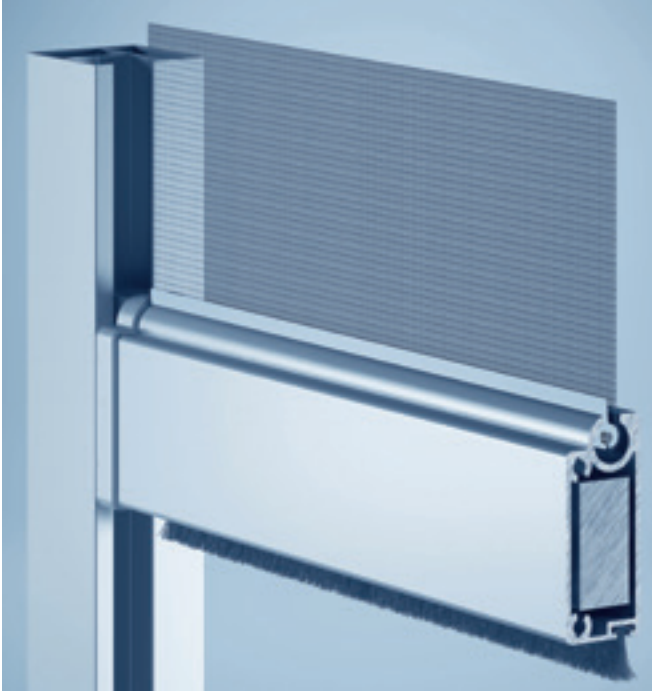
- » Wider curtain walls can easily be shaded with connected systems of joined individual elements
- » Obstacle detection can be installed, which stops the curtain if it encounters resistance
- » Curtain control via manual button, remote or crank handle **(new)**
- » heroal VS Z can be integrated into the intelligent building control system
- » Wide range of installation options on the wall/window, contra or in the lintel
- » Fully flush-mounted guide rails possible **(new)**
- » Narrow guide rail with 25 mm view width with no visible screw connection available for all installations, except for contra installation **(new)**
- » Certified ball impact resistance
- » Combinations of connected elements with different element heights with a continuous box panel possible in door/window combination **(new)**
- » More than 250 different colours and textiles available
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

System sizes and system features

- » The curtain is guided in stable guide rails with end slat via a zip attached to the fabric
- » Shading areas with an element width of up to 6 m and an area of 18 m² in extremely small 125 mm panel boxes are possible and can be used in all box designs **(new)**
- » High weather resistance and low-maintenance
- » Wind-resistant up to 145 km/h
- » Reduction of solar radiation by up to 100%*
- » Reduction of UV radiation by up to 100%*
- » Electronic motor drive or manually via a handle

heroal VS

Basic sun protection system with guide by end slat



Anyone looking for a basic version for the zip-guided heroal VS Z need look no further than the heroal VS sun protection system: This system is also installed on the exterior and effectively protects the building from solar radiation. One difference to the heroal VS Z zip screen system is the curtain guide, which exclusively takes place via the end slat. The zip system that can be found on the sides of the heroal VS Z is removed. This makes this sun protection system ideal for applications in which wind resistance does not play a significant role. Architects, builders and heroal partners can choose from the same selection of textiles and colours as are available for the heroal VS Z. Depending on the type of fabric, this makes it possible to create translucent or opaque sun protection that reduces the solar radiation*.

* depending on the selected textile

Versions and design

- » Obstacle detection can be installed, which stops the curtain if it encounters resistance
- » Curtain control via manual button or remote
- » Versatile installation options on the wall/window or contra
- » Combinations of connected elements with different element heights with a continuous box panel possible in door/window combination **(new)**
- » More than 250 different colours and textiles available
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

System sizes and system features

- » Curtain guide by end slat
- » Shading areas of up to 5 m element width and 15 m² area possible
- » Extremely low-maintenance
- » For regions with low wind load requirements
- » Textile with reduction of the solar radiation by up to 75%*
- » Textile with reduction of the UV radiation by up to 98%*
- » Electronic, motorised drive

heroal VS C

Functional cable guide and elegant design



The heroal VS C sun protection system comes with a slimline stainless steel cable guide, so this version is ideal for windows and curtain walls with a narrow view width of the profiles. The slender appearance of the entire system perfectly matches with the excellent heroal design language – the high-quality stainless steel cables impress with the minimalistic look. heroal VS C offers numerous design options thanks to its extensive colour and fabric selection. Architects, builders and heroal partners can choose from the same selection of textiles and colours as are available for the heroal VS Z. The reflection of sunlight by the heroal VS C allows solar radiation to be reduced by up to 75%*. These versatile features make it possible to use the sun protection system with cable guide wherever high wind velocities are not expected.

* depending on the selected textile

Versions and design

- » Obstacle detection can be installed, which stops the curtain if it encounters resistance
- » Curtain control via manual button or remote
- » Versatile installation options on the wall/window or contra
- » More than 250 different colours and textiles available
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

System sizes and system features

- » Curtain guide on stainless steel cables
- » Shading areas with an element width of up to 5 m and an area of 15 m² in extremely small 125 mm panel boxes are possible and can be used in all box designs
- » Extremely low-maintenance
- » For regions with low wind load requirements
- » Textile with reduction of the solar radiation by up to 75%*
- » Textile with reduction of the UV radiation by up to 98%*
- » Electronic, motorised drive

Installation

Easy installation for every situation



On the wall/on the window



In the reveal (contra)



In the lintel

The heroal VS Z, heroal VS and heroal VS C sun protection systems offer a wide range of installation options. They can be installed on the wall, on the window, in the reveal (contra) or in the lintel. When installed in the reveal, the panel box faces inwards.

An installation with crossbars is also possible in order to vary the distances to the window or the structure. The small winding diameter of the textile means that it can easily be installed in small panel boxes. For example, a window height of 3 x 3 m requires a panel box only 95 mm high.

Maintenance and repairs are easy to perform thanks to the simple system design. A dismounting ring and an optimised roller capsule facilitate the dismantling of the sun protection.

Architects, builders and heroal partners benefit from the easy installation and outstanding service life of the heroal sun protection systems.

Installation benefits

- » Wide range of installation options on the wall/window, contra or in the lintel
- » The system is easily accessible for maintenance and repairs
- » Optimised roller capsules ensure easy removal of the textile
- (new)**
- » Easy to clip open the 2-part guide rail on the wall installation profile for heroal VS Z **(new)**

Applications

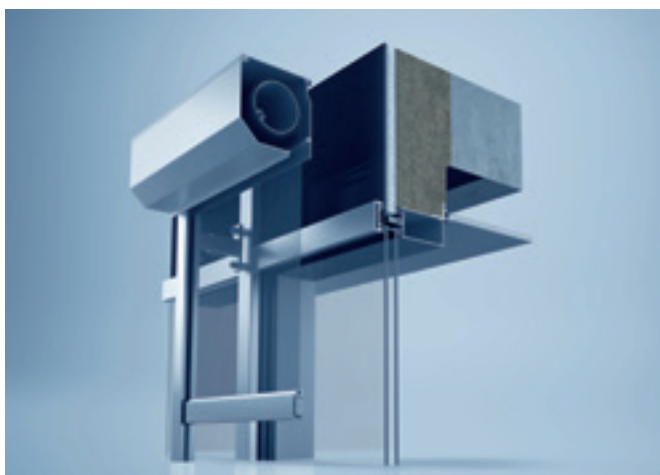
Harmonious curtain wall integration



Full integration into the heroal C 50 curtain wall system



Partial integration into the heroal C 50 curtain wall system



Mounted on the heroal C 50 curtain wall system

The heroal VS Z sun protection system is ideal for use in private as well as in medium and large commercial buildings, such as schools as well as office and residential buildings. Partial or full integration into the curtain wall or a wall-mounted installation is possible in combination with the heroal C 50 curtain wall system. In the fully-integrated solution, the guide rail as well as the panel box disappears completely into the curtain wall. The sun protection is invisible when closed. In the partially integrated solution, only the guide rail disappears into the curtain wall. The sun protection's compact panel box is visible from the outside. In the wall-mounted solution, the guide rail as well as the panel box are mounted on the curtain wall. This installation option is ideal for retrospective installation.

Applications

Fully-integrated application in the heroal OR patio roof system



Full integration into the heroal OR patio roof system

The zip-guided heroal VS Z OR sun protection system can also be fully integrated into the heroal OR patio roof system as a vertical awning. It provides protection when the sun is low in the sky, protects against wind and weather as well as cool breezes on spring and autumn evenings. The heroal VS Z OR sun protection system provides outstanding weather protection thanks to the high wind load resistance. The fully-integrated installation in the heroal OR patio roof system ensures a harmonious design. The guide rails are recessed in the column and the panel box disappears in the eave. Maximum spans of 6,600 mm wide and 3,000 mm high are possible without a centre column. The system enjoys the same selection of textiles and colours as the heroal VS Z. The colour of the heroal VS Z OR can also be adapted to the supplementary systems of the return-guided heroal HS horizontal awning.

Versions and design

- » Zip-guided sun protection with maximum textile tension
- » Fully-integrated installation under the eave as well as in the side section and the column
- » Use of colour-fast acrylic textiles
- » Guide rails recessed in the column
- » Panel box disappears in the eave
- » Integrated screw channels for maximum stability
- » Max. span without centre guide
- » Automatic control system
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

System sizes and system features

- » Max. element size: 6,600 mm wide, 3,000 mm high
- » Max. element area: 18 m² area
- » Optimal box size: 155 mm
- » Cubic box design: 90°
- » Reduction of solar radiation by up to 75%*
- » Reduction of UV radiation by up to 98%*

* depending on the selected textile

Panel boxes

Panel box solutions for every design



heroal FMB 90°

heroal offers two different types of panel boxes for the sun protection systems.

The extruded FME panel system (front mounted extruded) is a front-mounted box that is positioned on the masonry or in the reveal. It is available in the FME 90°, FME 45° and FME HC N design options. The extruded FMB panel system (flush-mounted box) is a flush-mounted box that is installed in the lintel. It is available in the FMB 90° design option.

The heroal FME 90° front-mounted system is a rectangular, extruded panel solution with a clear, rectangular outline for a cubic, puristic look. It is ideal for both new and old buildings.

Box sizes of 85 mm, 95 mm, 105 mm and 125 mm (FME HC N not available in 85 mm, FMB 90° only in 105 and 125 mm) enable a wide range of installations and applications in the customary slender heroal design.



heroal FME 45°

Benefits

- » Clear, full-surface view of the panel boxes with contra-installation thanks to the use of panels without an additional groove for the ceiling and wall bracket **(new)**
- » Centre box caps with milled edge in sizes 95, 105 and 125 mm for panel box versions 45°, 90° and HC N for coupling with different element heights when using heroal VS Z and heroal VS **(new)**
- » Simplified processing of the profiles thanks to the integrated screw channels enable greater widths due to the additional space in the panel box
- » Extremely stable panel box system comprised of a steel motor mount and decorative aluminium cap for all box designs and sizes for heroal VS Z **(new)**
- » The downwards demountable FMB 105 mm panel box system contains an additional roller capsule with offset catch for heroal VS Z **(new)**
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components



heroal FME HC N

Guide rails

Functional guide rails for heroal VS Z



heroal offers a wide range of guide rails for the heroal VS Z that can be used to create perfect solutions for every installation situation. The extremely stable extruded rails made of high-quality aluminium are equipped with rolled-in inserts to ensure maximum stability. The new guide rails are available in view widths of 25 mm and 37.5 mm, where the narrow 25 mm view widths create a harmonious design in combination with the heroal C 50 curtain wall system.

Benefits

- » Narrow guide rail with 25 mm view width with no visible screw connection available for all installations, except for contra installation **(new)**
- » Easy to clip open the 2-part guide rail on the wall installation profile **(new)**
- » Flat inside cover design to enable full flush mounting **(new)**
- » High-quality colour design with heroal hwr powder coating, heroal SD surface designs and Les Couleurs® Le Corbusier for the aluminium components

End slats

Functional end slats for heroal VS Z and heroal VS



The extruded aluminium end slats with different geometries ensure that the textile is under continuous tension. Depending on the height and width of the element, end slat type I, type II or type III can be selected to achieve an optimum textile tension.

Benefits

- » Optimised textile tension and reduced creasing with the new end slat type III for particularly narrow and particularly wide elements with the use of 1 or 2 weights as well as the rectangular hollow section for heroal VS Z **(new)**
- » Identical view heights of end slats type II and type III so they can be installed in combination **(new)**

Textile and colour selection

Maximum design freedom

For a pleasant room climate and different needs and requirements, heroal offers a high-quality and diverse selection of textiles: over 250 fabrics are available for selection, with varying colours and amount of light transmittance – from semi-transparent to opaque.

The **“Sergé & Satiné”** fabrics consist of woven and coated fibre glass – the fibre glass core and the PVC coating make the textiles exceptionally smooth, creating a pleasant atmosphere and ensuring a clear view outside.

The **“Soltis”** fabric for exceptional shape retention. The textile is pulled in both directions under high tension and fixed in place with liquid PVC. The high textile tension makes the fabric ideal for shading large areas and for complete room darkening.

The unique, open weave of the **“Starscreen”** fabric creates a pleasant translucence and reflects 97% of the solar radiation. The textile is PVC-free and extremely easy to care for and clean thanks to the special TEFLON® coating.

The special pigmentation comprised of encapsulated aluminium particles means that the **“Vuscreen”** fabric provides effective heat protection for every glass surface, completely PVC-free. The fine pigments reflect infrared radiation and reduce the transmission of heat energy by up to 70%. The aluminium pigmented version creates a pleasant room

climate and the fabric with a flame-retardant FR coating is ideal for commercial buildings.

The **“Flexilight 6002 Opaque”** fabric is particularly resistant to UV radiation and has a dirt-repellent texture – so it keeps its good looks even after many years of use. The PVC fabric is phthalate-free, very easy to process and extremely flexible.

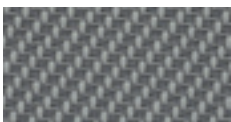
The **“Orchestra”** fabric is woven from spun-dyed acrylic fibres and provides optimised performance features in terms of colour stability, resistance level and sun protection. The exclusive “Cleanguard” coating makes these textiles exceptionally water- and dirt-repellent.

The **“Sergé BO Lunar and Solar”** blackout fabrics have a darkening effect. Both also repel humidity thanks to a full-surface PVC foil. The BO Lunar textiles provide complete darkness while the BO Solar textiles have a translucence with an opening factor of 3%. heroal IS insect screen fabrics can also be used. In addition, a PVC viewing window can be integrated upon request (**Crystal**). For a completely individual design, customised printing is also available (upon request).

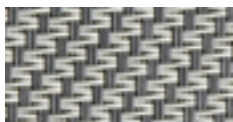
For the aluminium components of your textile screen you can choose from all shades in the RAL colour range, Les Couleurs® Le Corbusier and heroal SD surface designs with wood, concrete or rust looks.

Trend textiles

For the heroal VS Z / VS / VS C sun protection systems we offer you 10 hand-picked trend textiles with an extremely short delivery time.



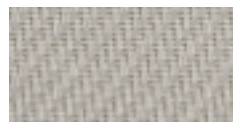
2305 Pearl-grey



3958 Grey-white



3959 Grey-white-pearl



3960 Pearl



3962 Anthracite-grey-linen



3963 Grey



3964 Grey-anthracite



3972 Anthracite



2329 Grey



2331 Anthracite

You can view the full selection of textiles in textile fans. The textile colours shown here may differ from the originals for printing reasons.

heroal Ready

Service offer for finished elements from the roller shutter, sun protection and roller door product areas



The heroal Ready service offer turns heroal's focus even more towards the needs of fabricators, window manufacturers and building element distributors. heroal takes over the fabrication and delivers tested, finished elements made entirely of heroal components from the roller shutter, sun protection and roller door product areas.

Benefits:

- » Prefabricated elements
- » Prevention of capacity bottlenecks
- » Higher availability
- » 100% heroal quality Made in Germany
- » 100% reproducible thanks to the use of heroal components



Configuration and ordering

The Configurator tile in the heroal Communicator lets you configure the heroal Ready finished elements online. After completing the configuration, you can also quickly and easily place the corresponding order directly with heroal. Your unfinished configurations are listed on the homepage and you can continue to work on these at any time. The Catalogue function lets you select and configure the products. You can add your own comments to the configurations. This lets you save internal information on the configuration and also pass this on to colleagues. Finished configurations are saved in the shopping basket. This gives you a chance to check the configurations again before placing an order. You can copy the created configurations within your shopping basket. You can then edit and change the copied items in a few simple steps – so you do not have to re-enter the configuration when making minor changes.

heroal all-in service

Support along the entire process chain



01 Marketing and Sales

- > print media
- > advertising material
- > generation of leads
- > website kit
- > entrance door configurator
- > email marketing
- > events
- > exhibition concepts
- > personnel marketing



02 Planning and Quotation

- > planning tools
- > BIM-/CAD data
- > online configuration and ordering
- > electronic ordering (EDI)
- > LogiKal and PICOS support
- > project consulting
- > preparations for projects
- > digital product information and test certificates

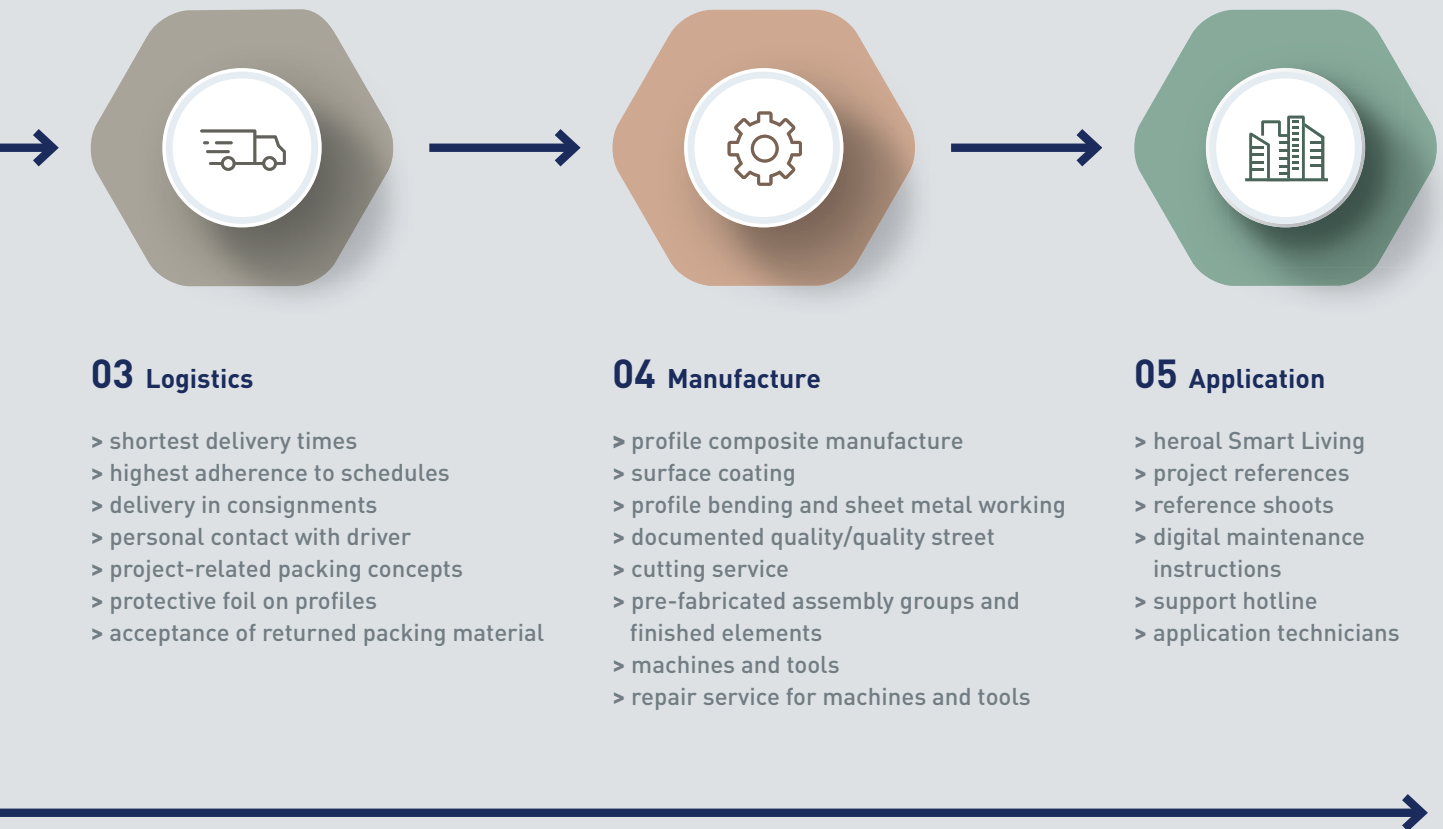


06 Support and Service

- > heroal Communicator
- > heroal Academy
- > technical consulting

100 % supported. 100 % happy.

Success is when gears interlock, providing trouble-free team play. Therefore, we have created our service offer in a way to ideally support you and your work in every aspect. From marketing through planning and manufacture to application, our all-in service accompanies you along the entire process chain.



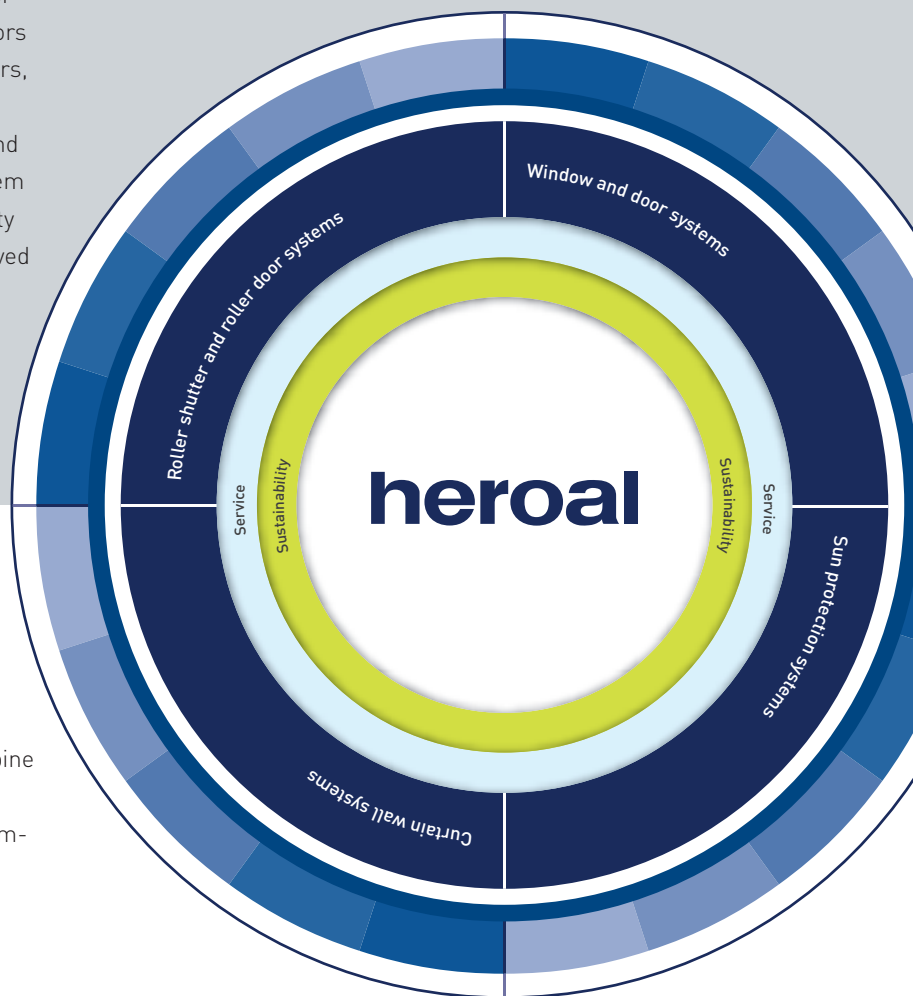
heroal – the aluminium systems provider

As one of the leading suppliers of aluminium systems, heroal develops and produces perfectly aligned systems for windows, doors, curtain walls, roller shutters, roller doors and sun protection, as well as folding and sliding shutters, insect protection, patio roofs and carports.

Thanks to low energy consumption during production and maximum energy savings during operation, heroal system solutions make a significant contribution to sustainability in construction, while at the same time providing improved efficiency during processing and increasing the value of buildings.

Innovation, service, design, sustainability

The heroal brand stands for system solutions that combine practice oriented innovations, industry-leading services and high-quality, versatile architectural designs with comprehensive sustainability.



Roller shutters | Sun protection | Roller doors | Windows | Doors | Curtain walls | Service

heroal – Johann Henkenjohann GmbH & Co. KG

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