

Press release

System solutions for the highest demands on design, fabrication efficiency and flexibility

Innovative new heroal products for roller shutters, sun protection and roller doors

Verl, February 2024. heroal – Johann Henkenjohann GmbH & Co. KG creates added value for specialist partners with new solutions in the areas of roller shutters, sun protection and roller doors. The comprehensive system solutions for residential and commercial construction set themselves apart with their highly efficient fabrication and maximum flexibility. The new products, which heroal is presenting at R+T 2024, are also focused on meeting the highest design standards.

Enhanced range of applications for roller shutter systems

heroal roller shutter systems for flush-, front- and top-mounted roller shutters provide the right solution for every installation situation and technical requirement. New options allow heroal partners to implement a whole range of customer requests. The option of integrating Kaiser Nienhaus Easyline Solar and Somfy RS 100 Solar io solar motors support the energy-efficient operation of heroal roller shutter systems without a power supply. Valuable space can be saved when solar motors are combined with an external battery and panel caps with offset pin, which makes optimum use of the winding space.

The aluminium systems provider also supports the easy and high-quality installation of heroal roller shutter systems with the new heroal angled end slats for clockwise and counterclockwise roller applications in top- and front-mounted boxes. The heroal angled end slats are available in two different variants, as angled profiles with bottom angle for a flat box finish or angled profile with central angle. Their construction has an identical mount that allows the angled profiles to be universally used for both basic roller shutter profiles.

New guide rails that can withstand driving rain provide maximum functionality for heroal roller shutter systems. The sealing tape used effectively withstands even heavy downpours. The new guide rails are suitable for the positive inlet and rear lining of the roller shutter box

as well as for the negative inlet and flush panels for the guide rail on the rear. The broad portfolio offers solutions for a huge range of applications, such as spacing from the window.

The new box system for combining roll-formed and extruded panels is focussed on functionality and flexibility. heroal specially developed the new combination boxes for installing front-mounted systems in the reveal for applications with a visible front extruded panel. They are connected using an adapter profile, which ensures that the look of the front panel view is identical to that of the heroal FME panel box system. The combination box system is suitable for various box shapes and sizes.

heroal sun protection solutions: Exclusive design—maximum functionality

Modern residential buildings and structures need to fulfil the highest requirements for sustainability, security and design. With innovative new solutions for heat protection, heroal sun protection systems meet important criteria for sustainable and energy-efficient construction and successfully unite design flexibility with maximum functionality. What's more, smart solutions to control the heroal roller shutter and sun protection systems can also be integrated into the building automation and concepts for intelligent curtain walls.

Unique benefits during installation are made possible by the heroal VS Z EM ("Easy Mount") sun protection system, a clamp-on variant of the established heroal VS Z zip screen system, which picked up the Gold R+T Innovation Award 2021. The heroal VS Z EM, available in system, kit or finished element form, can be quickly and easily installed in the window frame in just a few steps without drilling and special tools. In addition, installation from inside the building ensures maximum efficiency and means that no scaffolding or crane is required even at higher floors. And the heroal VS Z EM does not need a power supply as it is powered by an integrated solar drive that is controlled either by a wall switch or remote control. A range of different clamping supports makes the system suitable for use with almost all common aluminium, plastic or wood windows. To customise the heroal VS Z EM to the building appearance, there is the option of coating the extruded aluminium components of the system in RAL colours with the hwr powder coating or the exclusive shades of Les Couleurs® Le Corbusier, or designing them with the heroal SD surface design. A huge variety of textiles are also on offer.

Independent screen control with the heroal VS Z corner solution

The heroal VS Z corner solution, which received the R+T Innovation Award 2024 (Silver), meets the highest standards of design and functionality with zip-guided shading for corner areas (e.g. all-glass corners) that enables efficient glare and heat protection as well as privacy with just a single cable guide. A particularly clever and unique feature: The curtain is guided with separate end slats, both of which run in just a single cable guide. This means that the screens can be controlled independently of each other and variably adjusted to the position of the sun. Areas of up to 9 square metres per textile screen are possible. In addition, the heroal VS Z corner solution can also be combined with fly screen doors or tenter frames using spacing profiles and matching decorative caps. What's more, the heroal VS Z corner solution also impresses from an aesthetic perspective. Around 250 textiles ensure a delicately designed connection between the textile screens in the corner area and the side curtain guide in aluminium guide rails with a particularly narrow elevation of just 25 millimetres. R+T marks the very first time that the aluminium systems provider will be presenting the heroal VS Z corner solution in combination with the heroal C 50 curtain wall system and the integrated Beckhoff Automation building control system.

The huge range of applications of the established heroal VS Z sun protection system for shading areas up to 6 m wide and covering up to 18 m² has been expanded even further: the new box-level guide rail allows the heroal VS Z to be installed in front of an anti drop device and is suitable for windows with anti drop devices manufactured by different providers. The small winding diameter of the curtains enables the use of particularly small box sizes for sun protection. Narrow guide rails with a view width of just 31 mm, which can be completely flush-mounted, make the heroal VS Z extremely compact for installation next to the anti drop device on the window frame. More than 250 different textiles in the standard portfolio, consisting of opaque and translucent fabrics, provide maximum design freedom and can reduce solar and UV radiation by up to 100 percent depending on the textile.

heroal VS Z textile assembly: Flexible heat protection

The heroal VS Z textile assembly is focussed on flexibility and efficiency that opens up unique shading possibilities in new builds and renovations to heroal fabricators and fitters. For the very first time, they can now integrate textile sun protection as a shading solution in top-mounted box systems. Thanks to the cooperation with VEKA and Exte, the ready-to-install solution can be used in the various Exte EXPERT XT and ELITE XT as well as VEKAVARIANT 2.0 PVC top-mounted box systems. What's more, the heroal VS Z textile

assembly can be integrated in the Exte Neo XT and VEKAVARIANT EPS insulation box systems for new builds. The new VEKA and Exte guide rails have been developed to harmonise with the VS Z while also fitting with the manufacturer's specific platform. Mounting brackets specifically tailored to the heroal VS Z sun protection system to install the solution move the shaft mount forwards towards the curtain outlet and ensure the vertical position of the textile screen in the guide rail. Ready-to-install and prefabricated delivery as well as easy start-up through plug and play ensure maximum flexibility and efficiency.

Besides this, the two other product innovations for the heroal VS Z textile assemblies also enable an impressive range of applications. Thanks to the option of integrating different motors, such as solar motors or drives for the second escape route, they can be flexibly tailored to a wide range of requirements. The added value that fabricators and fitters enjoy from increased efficiency and fail-safe processes is further enhanced by the option—as an alternative to the previous delivery of the textile roller shaft as a rolled-up textile with separate end slat—to procure a solution with factory pre-assembled end slat.

heroal VS Z CS: Seamless integration in mullion-transom curtain walls

The heroal VS Z CS sun protection system enables the heroal VS Z sun protection to be seamlessly partially integrated into the heroal C 50 aluminium curtain wall system as well as mullion-transom curtain walls of other manufacturers to expand the design freedom of heroal partners. The newly developed integration profile for the heroal GR 25 guide rail is used in the curtain wall system together with a sun protection pin, which has also been newly developed. In contrast to the classic curtain wall integration with crossbeams, the heroal VS Z CS sun protection is positioned very close to the curtain wall element to provide an exceptionally high wind stability of up to 145 km/h. This also allows the sun protection to be discreetly integrated in the curtain wall: it is almost invisible when fully raised. The superb aesthetics of the new solution also impress when it is lowered. The view width of 25 mm precisely matches the view width of the heroal C 50 curtain wall system when two heroal GR 25 guide rails are used. For maximum functionality, there is also the option of shading curtain walls up to 5 m high using the heroal GR 25 guide rail. The fantastic benefits of the heroal VS Z CS really come to the fore where several sun protection elements are installed on the curtain wall next to one another: the integrated side and depth adjustment allows

every single element to be perfectly aligned to the curtain wall, as the sun protection can be adjusted in three dimensions to compensate for structural tolerances.

New options for heroal roller door systems

heroal roller door systems provide fabricators and fitters with economical solutions for private as well as commercial and industrial buildings, which fully integrate in the architecture and are easy to operate. In addition to the versatile design possibilities in standard, special and RAL colours, they can also make use of the heroal Surface Design (SD) coating technology for roller doors. Besides natural wood finishes, this enables modern rust or concrete finishes to be implemented and impresses with its exceptional resistance level.

heroal partners also enjoy maximum flexibility with the option of the needs-based procurement of heroal roller door systems: the delivery of perfectly tailored solutions is one of the key strengths of heroal Service and offers heroal partners added value.

Images



[heroal Rollladen mit Kaiser Nienhaus Easyline Solar]

The Kaiser Nienhaus Easyline Solar and Somfy RS 100 Solar io solar motors can be integrated in heroal roller shutter systems for particularly energy-efficient operation. © heroal



[heroal VS Z EM]

The clamp-on heroal VS Z EM sun protection system is ideal for rental properties and heritage-listed buildings, as the sun protection can be removed without a trace at any time. © heroal



[heroal VS Z Ecklösung]

Aesthetic sun protection: The heroal VS Z corner solution effectively shades corner areas (e.g. all-glass corners). © heroal



[heroal VS Z Textilbaugruppe ExtE und VEKA]

Thanks to the collaboration with VEKA and ExtE, the heroal VS Z textile assembly can now also be used in the ExtE ELITE XT and VEKAVARIANT 2.0 PVC top-mounted boxes as well as the VEKAVARIANT and EPS top-mounted insulation boxes. © heroal



[heroal VS Z CS]

Seamless integration: The newly developed partially integrated heroal VS Z CS sun protection system harmoniously integrates in the heroal C 50 curtain wall system or transom-mullion curtain walls of other manufacturers. © heroal



[heroal Rolltor Betonoptik]

Sensational concrete, rust or timber finishes are now also available for heroal roller door systems using the heroal SD coating technology. © heroal

heroal – the aluminium systems supplier

As a manufacturer of aluminium system solutions for roller shutters, sun protection, roller doors, windows, doors, sliding doors, curtain walls and patio roofs, heroal is one of the international market leaders. Founded in 1874, the family company employs around 900 people at its headquarters in Verl, Germany, and locations in North America and Europe, and is involved in the construction of sustainable buildings in residential and commercial construction projects worldwide. heroal focuses on innovative and high-quality systems for fabricators, architects, planners, investors and building owners. heroal products are characterised by first-class quality, industry-leading customisation options and consulting and services in every phase of the building lifecycle. heroal systems are developed and manufactured in Germany.

More information is available at www.heroal.com.

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