

partner magazin

partner magazine

from heroal
Issue 4
Summer
2022

Insight

New sun protection

Perspective

heroal: Cradle to Cradle Certified®

Foresight

Classification of fire protection doors

heroal

Dear readers,

at a glance



In the fourth edition of the heroal partner magazine, we are presenting our new sun protection solutions: the sophisticated heroal VS Z corner solution sun protection system, and the clamping heroal VS Z EM ("Easy Mount") sun protection system with solar motor deliver effective, needs-based shading for challenging installation situations.

Come with us and take a look at our new, expanded showroom at the Verl location. You can experience a wide selection of our products and services live here, or use the facility to advise customers, architects, or investors.

In addition, we present current heroal construction projects, such as the renovation of the University Clinic in Prague, or the revitalisation of the commercial property Stellingerring in Hamburg, show you how heroal will be making products and processes of the future more sustainable, and answer frequently asked questions on fire protection door classifications.

We hope you enjoy reading the magazine!

Dr Ramon Knollmann
Managing Director, heroal

Jürgen Peitz
Managing Director, heroal

Dr Max Schöne
Managing Director, heroal



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at a glance

New solutions. More possibilities.

Innovative heroal sun protection solutions for challenging installation situations.

In modern architecture, transparency and daylight are more in-demand than ever

before. However, the larger and more complex glass surfaces in residential and commercial buildings become, the more important effective shading is. In addition, existing properties, rental properties, and historically protected buildings also need effective sun protection solutions. heroal offers answers to any shading question: the innovative heroal VS Z corner solution and heroal VS Z EM sun protection systems, and optimised finishing of all existing systems, use state-of-the-art technology to deliver optimal shading in any architecturally challenging installation situation.

insight



Sun protection for corners: heroal VS Z corner solution

The zip screen system heroal VS Z corner solution is ideal for corner areas, such as all glass corners: consisting of a 90° heroal FME front-mounted box (size 105 or 125 mm) and two textile screens with zip guide on the sides for high stability and a sophisticated stainless steel cable guide in the corner area, it is already available as a pre-assembled heroal Ready element, and will be available as a system product later this year. This solution can provide summertime thermal protection for up to 18 m² (9 m² per textile screen). Thanks to innovative end strip adapters, both screens can be regulated independently and adapted variably to the sun's location. Controllable via wireless remote control, wall-mounted button, or app, the system can also be integrated into smart home systems. Combined with heroal VS C or heroal VS Z sun protection systems in series, they help create a uniform curtain wall look.

The highly weather-resistant heroal hwr powder coating on the aluminium components ensures perfect colour matching with all other heroal systems; in addition, users can choose from select textiles. The heroal VS Z corner solution can be combined ideally with the heroal S 77 SL lifting-sliding door system with all-glass corner. The heroal VS Z corner solution will be available initially as a prefabricated element starting in 2022/23.



Video
heroal VS Z
corner solution



Clamping, universal, and award-winning: heroal VS Z EM

Winner of the Gold R+T Innovation Prize for 2021: the heroal VS Z EM clamping sun protection system. Installed quickly and easily without drilling, it is ideal for retrofitting, and offers effective sun protection for practically all common installation situations – in particular in rental properties and historically preserved buildings, since the integration results in no structural changes. Installation work is further reduced by the integrated solar drive, since no power lines need to be installed. heroal VS Z EM can be used up to a width of 2,000 mm, a height of 2,200 mm, and an area of 4.4 m², and is wind-resistant up to a wind strength of 7 (60 km/h). Over 250 textiles are available to choose from, and reduce solar radiation and UV radiation by up to 100% depending on the version.

The aluminium parts are extruded and coated with heroal hwr powder coating. Installation is completed from inside the building, eliminating the need for a scaffold or a crane, even on higher floors. Because it offers 16 different clamping options, the system is suitable for almost all common window types – whether made of aluminium, plastic, or wood. If needed, heroal VS Z EM can be removed without leaving any components behind. heroal VS Z EM is now available to order as a prefabricated element through the heroal configurator, and the addition of a heroal system product is planned for August.



Now even easier to finish: heroal sun protection systems

We have optimised several of our systems to make processing even more efficient. The new cover profile of the heroal GR 25 25 mm guide rail is now no longer clipped to the basic profile, but rather pushed into the new adapter profile and screwed into place for easier handling – it is no longer intended for plastering. In addition, we have added the new heroal GR 37 guide rail which can be plastered over, and which is screwed in from the front. A new adapter profile, ideally suited for curtain walls with a 50 mm view width like the heroal C 50 curtain wall system, makes it possible to mount two 25 mm guide rails. This makes it possible to compensate for tolerances of 2 mm on each side. The heroal HS glazed awning offers new application options: now, it can even be installed on patio roofs made by other manufacturers using a specialised traverse. Another traverse makes it possible to mount two guide rails, and install multiple systems side-by-side.

And, last but not least; the heroal VS Z OR system now has a new panel system for which revision is completed from the front. It is also now available with an Elero motor and equipped with a new motor and roller capsule bearing.



insight

Stay flexible – with heroal Ready.

Pre-assembled and prefabricated elements as add-on business with diverse possibilities.

The demands of the market are becoming more and more complex. While demand for shutter and sun protection solutions continues to grow, interest in custom solutions is likewise increasing. With heroal Ready, pre-assembled and pre-fabricated elements for roller shutters, sun protection, and roller doors, heroal offers its partner companies a great way to react to any requirement more quickly, easily, and flexibly. The company Ledig & Szymanski GmbH has taken advantage of our services since 2019, and orders both heroal system products and prefabricated elements to meet its current needs.

Utilise and offer diverse products

heroal Ready prefabricated elements offer a unique diversity of colours and textiles – while at the same time ensuring high availability and fast installation.

“We use heroal Ready products when we need unique colours. We receive the prefabricated elements on a fixed delivery deadline, and just need to install them at the construction site. The major advantage of this is that we can offer our client's a wide variety of solutions, while keeping our warehouses and production areas clear, and still complete our work on time.”

Dipl.-Ing. Martin Hurth
CEO of Ledig & Szymanski GmbH



Approx. 250 individual textiles are available to choose from in different colours, fabric types, and designs. The extruded components can be coated individually in all colours of the RAL palette using heroal hwr powder coating, as well as exclusive Les Couleurs® Le Corbusier. The roll-formed components are coated using a 2-layer thick lacquer process, optimally matched to heroal hwr powder coating.

Expand your services, develop your portfolio

heroal Ready offers a variety of options to our partners: if a company does not produce their own roller shutter and sun protection products, they can expand their business with pre-fabricated elements, while assemblers grow their portfolios. Companies like Ledig & Szymanski, which already purchase sun protection, roller shutters, and roller doors as system products, can avoid capacity shortfalls with heroal Ready, and strengthen their brand and delivery capabilities.

The heroal Ready product range

heroal delivers tested, pre-assembled and pre-fabricated elements made entirely of heroal components for roller shutters, sun protection, and roller doors. heroal specialist partners can decide in each situation whether they want to order system products or pre-fabricated elements. The elements can be easily configured, then offers can be created and forwarded to the customer, and orders can be initiated by using the heroal configurator.

Would you like to add heroal pre-fabricated elements to your product range? Your heroal person to contact will be happy to hear from you.

Close collaboration, consistent development

To address the individual needs of building owners and investors with even better flexibility, we are continuously expanding the heroal Ready product range – in close collaboration with our partners.

In recent years, we have continued to add new bar variants for roller shutters to the range. In addition to the heroal VS Z sun protection system, the heroal VS C and heroal VS variants are now also available pre-assembled.

“We were one of the first to add heroal Ready elements to our product range, and have already produced a few prototypes with heroal. The market today is so diverse that it is good heroal collaborates closely with installation companies, and that we have a reliable person to contact.”

Dipl.-Ing. Martin Hurth
CEO of Ledig & Szymanski GmbH



Website
heroal Ready
front-mounted roller
shutter systems



Website
heroal Ready
sun
protection



Ready

Added benefits for our partners.



heroal partner+ : our new customer programme.

heroal partner+, our new customer programme, went live in March of 2022. The programme includes a broad spectrum of custom marketing, recruitment and continued training services. heroal partner+ replaces the previous partner marketing service, and is available to all of heroal's new and existing customers.

Marketing activities for more visibility

Successful marketing measures can play a key role in acquiring new customers, and developing and increasing loyalty among existing customers. Because of this, heroal offers a wide range of marketing activities to generate interest or support you in sales meetings. These include, for instance, local online marketing campaigns, configurators, brochures, exhibits, advertising materials, or workwear.

Staff recruiting activities

Recruiting qualified specialists and young professionals is a major challenge for many companies. Through heroal partner+, we support you with a variety of online staff recruiting packages. Available in S, M, and L sizes, the packages include job advertisements on relevant

portals and on social media, for making targeted appeals to potential applicants.

Training services for targeted knowledge development

The heroal Academy offers a diverse range of seminars, e-learning courses and practical workshops – an ideal opportunity for you to train your own team. In addition to product trainings, you will also find system seminars to deliver and expand technical expertise (such as on construction law or fire protection), software training sessions (LogiKal or EOS) and custom training programmes on request.

How heroal partner+ works

You can begin to take part in the heroal partner+ programme at any time, even during the year. If you have received a notification by mail, your personal budget* will be released after you register at www.heroal.de/partner+, and can be used through the end of the programme year (02/28). To do so, the heroal logo and a link to the website, as well as a heroal partner sign or heroal flag must be placed prominently in your sales room.

What our partners have to say:

"Our goal is to generate more local awareness about our company through heroal partner+ activities. This year will show how well it appeals to our customers. Communication with heroal was quick and easy – absolutely recommended." Alutech Arnhem V.O.F.

Further information is available at: www.heroal.de/partner+

* The personal budget is calculated based on the heroal partner+ index, which takes account of various factors, e.g. sales and growth prospects.



Brochure
heroal
Partner+



Video
heroal
Partner+

Always the right person to contact.

Combined and restructured: heroal Central Sales & Service.

No matter how the market develops and changes – we want to keep getting better for you, and always offer you the best possible service. This includes shortened reaction times and customer service focused even more directly on your needs. These are the goals that moved us to combine the internal organisation of heroal Sales and the heroal Service area on 09/01/2021, under the management of Tobias Thiemann, and divide them into newly structured work areas. This means you always find the right person to contact, your inquiries are coordinated automatically, and you receive personal feedback quickly. The teams work together across departments to guarantee you the best quality service at all times. After staff expansions and internationalisation, the new areas are:

Order management

The heroal back office is now heroal order management. Under the leadership of Ralf Meermeier, this department will continue to answer all of your questions related to your orders. To make the ordering process even more efficient and create new capacity for increased service requirements, we also continue to expand digital options. Complaint processing has already been optimised, and team spokespeople are now also available on the different specialist teams.

Technical Support Centre

This is the perfect place to bring your technical questions regarding the heroal system portfolio. Under the management of Thomas Hünemeier, your inquiries via e-mail, phone (FTF: -5090, RSR: -5080) or the heroal Communicator are centrally coordinated in the Technical Support Centre, and answered quickly by our experts. The TSC also serves as an interface to our other service and specialist departments.

Application Engineering

Under the leadership of Manuel Vergers, the application engineering team answers specific, complex technical questions and provides on-site support as needed (2nd level support). Other duties handled by application engineering include production consulting, initial instruction/product training, and verifying complaints. The team is coordinated directly from the TSC.

Project Services

heroal Project Services, under the leadership of Ronny Symannek, supports architects, specialist planners, and investors throughout every phase of project planning. In addition, they also facilitate contact with heroal specialist partners.

Offer Centre

They support you in preparing an offer and with custom material calculations for any kind of building project, and work with all common configuration tools in order to depict combinations of different heroal systems if needed, and create custom offers.

Sales Management & CRM

To simplify and accelerate processes, Sales Management & CRM, under the leadership of Markus Oester-Barkey, supports the Central Sales and Service area, including by providing digital controlling and administrative tools. You and your needs are always our employees' main focus.

In the future, two points of contact will be available to you depending on the type of inquiry, focused on supporting you as quickly as possible:

> **All inquiries regarding orders and contracts** should continue to be directed to your regular person to contact in contract management

> **All technical inquiries and project inquiries** for the product area of windows, doors, and curtain walls should be directed to: tsc-fff@heroal.com and for the product area of roller shutters, sun protection, and roller doors, should be directed to: tsc-rsr@heroal.com



insight

insight

More sustainability for the Czech Republic's largest hospital.

University Clinic of Motol, Prague.

The University Clinic of Motol in the Prague district of the same name is the Czech

Republic's largest healthcare facility, and one of the largest anywhere in Europe. With 2,410 beds and over 5,000 employees, the clinic treats over 70,000 patients on an inpatient basis and 860,000 on an outpatient basis each year. Built from 1964 to 1970 and opened in 1971, the building complex now requires a range of renovation and modernisation measures – including replacing the windows and curtain wall.

Improved energy footprint

Functionalism dominated the architectural world in former Czechoslovakia during the post-war era, up to the 1970s. At that time, the energy efficiency of buildings was not in focus – Now, this needs to change. With the Czech state as an investor, and with EU funding, the construction project started in December of 2021 with the goal of improving the buildings' energy footprint and sustainability.

The measures include insulating the roof and vertical edge structures, as well as an overall renovation of the lighting system.



Main contractor:
Geosan Group a.s.

Project office:
JIKA – CZ s.r.o

Installer:
Altech ML. Boleslav s.r.o

Completion:
11/2023

heroal systems used:
heroal C 50 HI curtain wall system
heroal W 77 HI window system

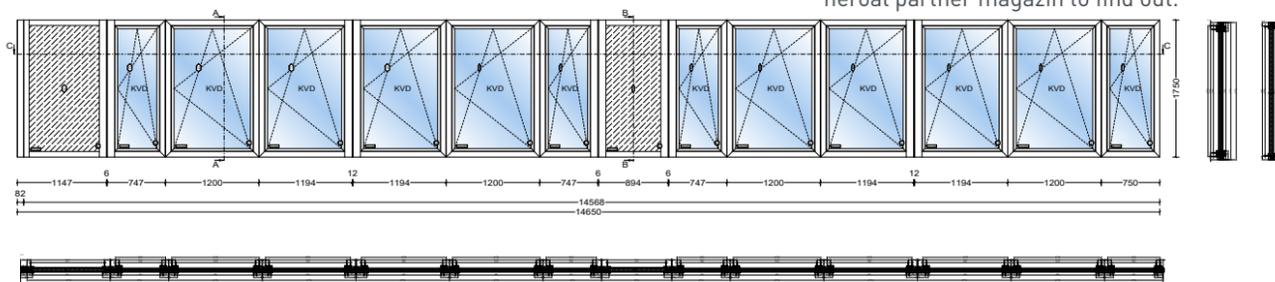
Optimal solutions

When it comes to windows and curtain walls, the building owner chose heroal – not least due to the high product quality the company offers, and because its products fulfil Czech requirements. To offer the best possible solution in terms of economy and thermal protection, heroal recommended the heroal C 50 HI curtain wall system, of which 800 m² were installed, as well as the heroal W 77 HI window system, RAL-coated, which was used over 5,000 times. Since some of the windows run in front of the concrete supports of the building, glass and sheet metal panels were used on the outside as infill panels at these points. An important

factor for clinic operations is that the tilt and turn fittings on the windows allow patients to ventilate in the tilt position with the handle closed. Only authorised personnel with a key can open the windows completely in tilt position.

Support through heroal services

In addition to the products, heroal also supported the construction project in technical questions, with production, and during negotiations between the investor and main contractor, as well as with U value calculations (with glass and panels) and calculations by heroal Project Services. Deliveries of the heroal systems have been ongoing since February of 2022, and will run through June of 2023, with the conclusion of the overall project planned for December of 2023. What are the next steps in renovation work in Motol? Read the next issue of the heroal partner magazin to find out.



The best advertisement for you.



Website
Current
Project reports

Advertise together – with print and online references.

Reference projects are not only an important part of heroal's communication for

builders, investors and architects, but also offer fabricators an excellent opportunity to present themselves and their services. After all, is there any more convincing advertisement than a high-quality presentation of construction elements produced with care and expertise, contributing to the overall impression of a completed building project?

Because of this, we take full advantage of our joint references, and present selected projects on all heroal marketing channels – in print, online, and on social media. Doing so is good for us, and you: each project we communicate about is at the same time an advertisement for the fabricator – and it's free of charge. If you would like to advertise your reference projects with heroal to the public, get in touch with us. It pays off!

Active on all channels:

How heroal advertises your reference projects

Project reports

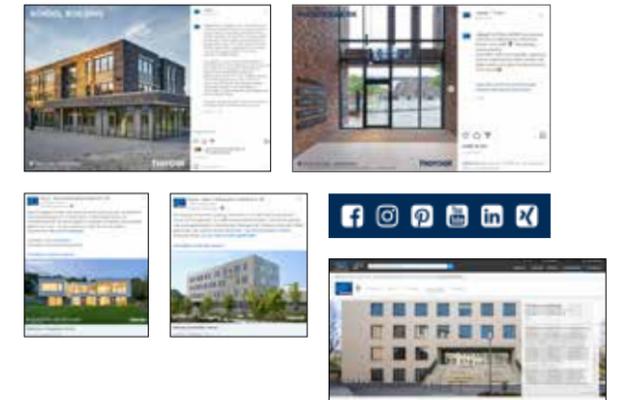
heroal project reports serve as the foundation for all communication measures on references. Each report includes a complete project panel. The project report are published in print and online.

Press

In general, we also send our project reports to the specialist press, and they are often published by editors.

"Solutions for building construction" brochure

The brochure presents the latest heroal references, sorted into topics like Education & science, Office & administration, Hotel & residential, Industrial & commercial, or Culture & entertainment, naming the installation companies.



Social media

heroal's social media channels are the ideal platform for providing building owners and architects with international projects inspiration for their own building developments. Generally, links are added to the social media channels of the installers and architects involved. The success of the posts is measured through the number of likes, and through their wide range.

Advertorials

Published in print and online, references also deliver valuable inspiration for the relevant target audiences through advertorials, such as on online portals for architects and building owners.



Making the future more sustainable.

Numerous heroal products Cradle to Cradle Certified®.

Sustainability – a topic that deserves the public attention it has garnered. Sustainability also plays a growing role in building projects as well, as requirements for energy-saving construction methods and building operations grow more strict. As a manufacturer of aluminium system solutions, heroal bears social responsibility to make its production processes and products as environmentally-friendly and sustainable as possible. Good to know that heroal's aluminium system solutions are Cradle to Cradle Certified® "Silver," an internationally recognised verification that they use environmentally-friendly, healthy, and recyclable materials. In addition, heroal provides EPDs for all relevant calls for tenders.

Cradle to Cradle Certified®: Silver for heroal

The Cradle to Cradle Certified® label verifies the comprehensive sustainability of products along their entire life cycle – from production to use to ultimate return to the materials cycle. Internationally recognised, the Cradle to Cradle label is used as a verifying document in many green building standards like LEED or WELL.

heroal aluminium system solutions are purposefully designed for sustainability, part of the reason that Cradle to Cradle Certified® jurors have now awarded 36 heroal systems in the window, door, curtain wall, lifting-sliding door system and fire protection areas with the certification. Since heroal systems have a high potential for reuse, heroal received a Gold rating in the material reuse category. The health of the materials used is also rated: in this category, heroal received ratings of Silver (for window, door, curtain wall, sliding and lifting-sliding door systems) and Bronze (for fire protection doors / curtain walls).

* With the ÖKOBAUDAT platform, the German Federal Ministry of Housing, Urban Development, and Building provides all stakeholders with a standardised database for the life cycle assessment of buildings.

Sustainable production and social justice

The company's production processes were also evaluated: in terms of the use of renewable energy and CO₂ management, heroal received a Gold rating for its use of its own cogeneration plant and 100% hydroelectric power. When it comes to responsible water management, heroal was awarded a Silver rating. In addition, the certification also evaluates compliance with social standards – heroal once again received a Gold rating in the social responsibility category.

Overall, heroal's rating was Silver – an outstanding result which Michael Heidenfelder, Head of Development for window, door, and curtain wall systems, explains in this way: "We have a great responsibility towards current and future generations, and view the certification as encouragement to become even better. We are always looking for new opportunities to optimise our system solutions and their footprints. By doing so, we make an active contribution to sustainable building".

EPDs: heroal provides environmental product declarations

heroal EPDs allow fabricators to take part in calls for tenders with EPD requirements, and verify their sustainable building practices. It is particularly easy for heroal partners to prepare project-specific EPDs. For heroal window, lifting-sliding door, door, and curtain wall systems, the EPDs for frame profiles and defined sizes can be requested using an order form in the heroal Communicator, then personalised with the installer's company name.

Alternatively, heroal EPDs can be accessed through the ÖKOBAUDAT* database. Due to heroal's outstanding vertical integration, the company provides all of the data needed for the certification of the declaration itself, meaning it does not need to rely on information from suppliers. This not only simplifies the review process, but underscores the transparency and reliability of the environmental declarations.

What are EPDs?

EPDs (Environmental Product Declarations) describe the energy and resource consumption of a building product and its emissions over the entire product life cycle. They also document other functional and technical properties significant to evaluating the sustainability of a building. EPDs are issued by independent institutions.



Website Sustainability

All Cradle to Cradle Certified® heroal systems:



Window

Cradle to Cradle Certified® Silver

- heroal W 72
- heroal W 72 HI
- heroal W 72 i exterior
- heroal W 72 i interior
- heroal W 72 PW
- heroal W 72 CW
- heroal W 72 RL
- heroal W 72 CL
- heroal W 72 UD
- heroal W 77
- heroal W 77 PH
- heroal W 77 HI
- heroal W 77 i interior
- heroal W 77 UD
- heroal W 65



Doors

Cradle to Cradle Certified® Silver

- heroal D 72
- heroal D 72 RC 2
- heroal D 72 RC 3
- heroal D 72 RL RC 2
- heroal D 72 RL RC 3
- heroal D 72 CL RC 3
- heroal D 65



Lifting-sliding systems

Cradle to Cradle Certified® Silver

- heroal S 77
- heroal S 77 SL
- heroal W 72 PSK
- heroal S 42
- heroal S 42 HF
- heroal S 65



Curtain wall

Cradle to Cradle Certified® Silver

- heroal C 50
- heroal C 50 HI
- heroal C 50 PH
- heroal C 50 ID



Fire protection doors

Cradle to Cradle Certified® Bronze

- heroal FireXtech D 93 FP / SP
- heroal D 65 C



Fire protection curtain wall

Cradle to Cradle Certified® Bronze

- heroal C 50 FP

Experience innovation live



perspective



perspective

The new heroal showroom in Verl opened its doors for the first time in May of 2022.

We announced this new development in the last heroal “partner magazin”, and now it’s a reality: the new, larger, updated heroal showroom at the company headquarters in Verl. The opening celebration was held on May 3rd and 4th, with heroal partner operations from Germany, Austria, Switzerland, and the Netherlands invited to attend. Our partners from other international territories will be invited to join us at a later time.

More space, modern ambiance

The expansion of the exhibition area to around 440m² provides space for numerous exhibits, samples, corner samples, and colour samples, while the redesigned showroom serves as a modern backdrop for heroal

innovations. All exhibitions are made in the elegant shades of grey and black of Les Couleurs® Le Corbusier. The new showroom provides extensive insight into the heroal portfolio of systems and services – and offers an attractive way to experience the unique quality, high-quality finishing, and elegant design of our solutions live and in person. The exhibition is divided into different topic areas:

- **Building construction:** building door, fire protection, and curtain wall systems
- **Residential construction:** Solutions for a custom and safe home, from front door to roller shutters and roller doors and sliding door systems
- **Outdoor living:** Patio covers with added sun protection and all-glass sliding walls
- **Design:** Insight into unlimited design and colour options

- **Comfort:** Solutions for better indoor comfort and healthy living space
- **Sustainability:** Window systems in all insulation variants and options for thermal protection with sun protection and roller shutters
- **Digital:** Digital services for all project phases

In addition to our “analogue” exhibition pieces, our digital services are also in focus: visitors can experience heroal systems in an interactive way using virtual reality goggles. Exhibits can be activated digitally, and a new presentation tool can be used to access informative and exciting visual and video materials.

Take advantage of the diverse options the heroal showroom offers

However, the showroom in Verl is more than just a platform for heroal products and services; it’s also designed for you. You are welcome to use our facility for

your own activities – to advise customers, architects, or investors. To book the space, please contact your heroal person to contact. Interested in visiting our showroom and the many different options it offers? Then set up an appointment with your contact person now – or register easily via e-mail at: showroom.verl@heroal.de

“With the new, expanded showroom at the Verl location, we have a way to present customers and stakeholders with even more of our products and services, as well as different innovations, live and in person. We are already looking forward to all of the visitors, and to talking with our partners.”

Dr Max Schöne,
Managing Director of heroal

Work and shop with an industrial flair.

Project report: Commercial property Stelling Höfe, Hamburg.

heroal Project Services supports architects and installers

A variety of local amenities are located at the site of Stelling Höfe on Kieler Straße in Hamburg. The former streetcar depot has been successfully renovated and expanded with new construction. heroal Project Services supported the new construction project, and supported Mennerich engineering firm, among other things, in planning the installed heroal systems and creating a performance specification. heroal Project Services also supported fabricator Hilgefert & Götting metalworking and window construction in calculating their offer.

Commercial buildings with historical charm

Stelling Höfe consists of a total of eight buildings or building sections. The popular area for shopping, sports, and leisure has been successfully renovated and

expanded. Two newly constructed buildings were equipped with heroal systems. Some of the products used include the heroal C 50 curtain wall system, the heroal W 72 i curtain wall system, the heroal D 72 building door system, and the heroal VS Z sun protection system.

The two new buildings, which are used as commercial and office properties, use a combination of masonry and steel construction that recalls the historical use of the grounds as a railway and streetcar depot. Aluminium systems from heroal conform precisely to the architect's concept: the large selection of over 500 RAL, DB, and VEKA shades was perfect for creating the steel effect needed in the project.

All of the installed heroal systems were coated with highly weather-resistant heroal hwr powder coating in

Project: Renovation of Stelling Höfe in Hamburg; Construction of new Rewe market
Principal: Grundstücksgesellschaft Stelling Höfe mbH
A project of Günther Franke Gruber Bauherren GmbH and MIC Müller GmbH
Owner: GSG Stelling Hof mbH
Planning / architects: Mennerich BauProjektManagement GmbH
Installers: Hilgefert & Götting Metall- und Fensterbau GmbH
Completion: 2020/2021
heroal systems used:
C 50 curtain wall system
heroal C 50 TC canopy
heroal W 72 i window system
heroal D 72 building door system
heroal VS Z sun protection system
Construction method: flat roof, curtain wall with faced brickwork (clinker), double glazing (Ug value = 1.0 /Wm²K), triple glazing in some areas (Ug value = 0.6 /Wm²K)



the shade black grey metallic with fine texture (heroal colour number: 0794). The shade used matches with the brick curtain wall – for a harmonious building shell in an industrial design.

All-around support from heroal Project Services

To ensure a smooth process, heroal Project Services supported architects during the planning process with individual design proposals and by preparing a performance specification with tender texts. Since employees in heroal Project Services understand the capacities and expertise of heroal fabricators, they can help ensure a fair and timely award process. The digitally transmitted material calculation allows potential fabricators to upload data directly to their calculation programme, estimate costs for the contract easily, and submit their offer promptly. The company Hilgefert & Götting Metall- und Fensterbau GmbH was awarded the project.

“Our support for offer calculation accelerates and simplifies the offer process greatly. Thanks to precise advance planning, including a detailed list of materials, all of the materials needed are included in the installers offers. This ensures ease of comparison, and eliminates the need for follow-up calculations” reports Ronny Symannek, Head of Project Services & the Offer Centre at heroal.

heroal systems: individually planned and perfectly coordinated

Among other tenants, the building offers space for three supermarkets and a bakery. The front of one supermarket consists of a large glass curtain wall, creating a light, transparent, and inviting commercial space. heroal Project Services handled structural pre-dimensioning for the heroal C 50 post and rail curtain wall used, then calculated the design depth of the curtain wall profiles and implemented these as a design recommendation in the form of a construction drawing.

Thanks to the modular design of the heroal C 50 curtain wall system, the profiles can be used regardless of the design depth with a uniform view width of 50 cm, creating a harmonious building appearance – even with different requirements for heat insulation and fire protection. The heroal C 50 post and rail curtain wall was also used in other parts of the buildings, supplemented with inserted elements like the heroal W 72 i block window system and the heroal D 72 building door system, as well as the heroal C 50 TC curtain wall canopy. In addition, a partially integrated variant of the heroal VS Z sun protection system was added to protect against direct solar radiation. While the panel boxes are integrated invisibly into the masonry from the outside, the visible guide rails, end strips, and textile screens are colour matched to the heroal C 50 curtain wall system.

“heroal Project Services also made a key contribution to ensuring that the project ran smoothly throughout every phase, and that it could be completed efficiently. We not only support the architects, installers, and principals involved in construction, but also act as a link between the individual parties. Providing personal advising throughout and supporting the individual project phases means we can react to individual situations and find optimal solutions for every building project – whether the projects use standard or special solutions” says Ronny Symannek, describing the contribution of heroal Project Services.



project report
Stelling Höfe



heroal News.



heroal & Winkhaus: Cooperation for an innovative window fitting system.

Aug. Winkhaus GmbH & Co. KG, located in the Westphalian city of Telgte, is known around the world for its intelligent solutions in window technology, door lock and access organisation. Through collaborating with Winkhaus, heroal added the innovative window fitting system heroal WF EM to its portfolio. This new system stands out in particular for its efficient installation: all of the operating rods are available ready to install in fixed lengths, eliminating the need to cut or punch them, or punch the sash groove corners. All of the components can be installed on a "frontal" basis.

Retrofitting to heroal RC 2 requires just a few added steps. The classic, surface-mounted swing side is available in different colours, and can handle leaf weights of up to 130 kg. The hidden swing side can handle up to 180 kg, or even "heavyweight" doors up to 300 kg with the surface-mounted heavy-duty side. Thanks to an extensive product range – including accessories like speed limiters and lock monitoring – it can be used in all common applications. Key components are already available.



heroal OR patio cover systems: even more flexible and efficient in installation and finishing.

Good news for patio builders: the new eaves connector set can now be used to connect two eaves profiles, creating patio covers with an overall width of up to 14.4 meters! Another new addition to the heroal OR product range are foot variants for different ground attachment options: these can be used as flexible attachments for corner and central supports, depending on the situation, with optional height adjustment. The new glass bracket set for triangular overhead lights ensures time-saving installation, and can be used as an alternative to commonly used glass seals. Thanks to the positive-locking distance, they provide a continuous ventilation function. Adapted to the overall patio cover design, the new end caps for supporting profiles are just the right finishing touch. The new designer drain cover can be coated in the standard colours 19 and 39, or with highly weather-resistant heroal hwr powder coating in RAL colours, exclusive Les Couleurs® Le Corbusier, and with the heroal Surface Design (SD) coating technology to match the colour of the patio cover.



Website
heroal OR patio cover
system



Passed! heroal bush fire system proves itself under the harshest conditions.

With all the heat Australia sees, bush fires extending over broad swaths of the country's bush, grass, and rainforest landscapes are common. No wonder that the country sets the strictest standards when it comes to fire protection. Happily, the heroal bush fire system was tested with the standard currently valid in Australia in March of 2022 – and passed the test! Consisting of the heroal RS 37 RC2 stainless steel roller shutter bar, the system had to withstand heat of up to 800 degrees Celsius (!) for a term of 30 minutes, without the window pane behind it being damaged. These are harsh conditions that prove the heroal bush fire system offers the best possible fire protection. With it, heroal is once again setting new standards for the Australian market.

Regional action: Sponsorships by heroal.

heroal not only has its headquarters in Verl, but also has deep roots in the region where it is located. Because of this, heroal supports local foundations, aid organisations, and cultural events, as well as schools and sporting associations in the region either financially or with material donations. In addition, we support charitable initiatives and projects worldwide in the areas of education & science, ecology, developmental aid, social issues, sports & health, and art & culture, like "Waldschutz Gola, Sierra Leone", "Waldschutz Sambesi REDD+, Sambia", "Human Help Network e.V.", "Herzenswünsche e.V." and the "Aktion Kleiner Prinz Internationale Hilfe für Kinder in Not e.V." campaign.



Aktion Kleiner Prinz
Internationale Hilfe für Kinder in Not e.V.



HUMAN
HELP
NETWORK
Die Kinderhilfsorganisation



Herzenswünsche e.V.
Verein für schwer erkrankte Kinder & Jugendliche



heroal Compliance: on behalf of our corporate values.

heroal stands for integrity, honesty, and trust, for responsible and ethical conduct towards our employees, business partners, society, and the environment. And we ensure that these values are translated into actions. The heroal Compliance Management System defines transparent, legally conforming guidelines to do so. These include, for instance, the heroal Code of Conduct and heroal Supplier Code, with which we ensure compliance with human rights, appropriate working conditions, and high environmental protection standards. Another key element in this respect is the heroal whistleblower system: it provides a confidential channel of communication our business partners can use to report potential abuses or violations of guidelines and laws.



Website
heroal Compliance

overview

overview

heroal News.



All powders, all colours: the new powder database in the heroal Communicator.

Search and find what you need more easily: with the new heroal powder database in the heroal Communicator. It contains all of the coloured powders heroal offers – clearly presented and in true colour. They can be selected quickly and easily: simply access the “powder database” in the heroal Communicator menu and get started. Alternatively, the database can also be accessed directly from the heroal configurator for sun protection and roller shutters: just click the “Powder database” button and search for and call up the required colour number. There is no need to download the database.

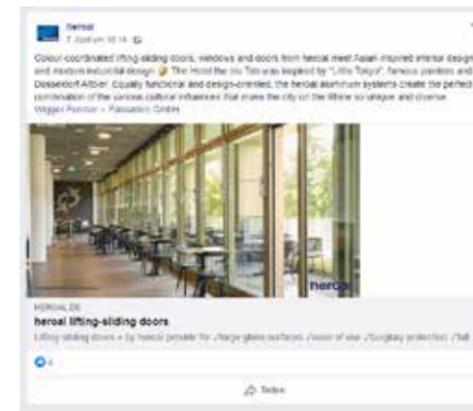


heroal Communicator
Powder database

heroal Communicator: optimised search function for installation instructions.

When manufacturing complex systems, thorough installation instructions from heroal provide valuable support. However, searching for the information you need can take some time, particularly if it is not available in digital form. The heroal Communicator makes things easier: the new search function for installation instructions allows users to find all relevant production documents for a specific profile quickly and easily. To do so, select the desired system and/or enter the item number into the relevant search field. Then all production documents for the system or item number will be displayed. You can also select your current work step (such as installing leaf profiles).

Good to know: the results are always up to date, since all documents are continuously updated. Our video shows you how easy it is to search for installation instructions:



heroal on social media: Follow us and become part of our community.

We have been active successfully on a variety of social media channels for many years. From Facebook to Instagram, LinkedIn, YouTube, Pinterest, or Xing – our community continues to grow. Many of you are already part of it, and send us photos of current reference projects, or follow our activities at exhibitions and events. We are glad to have a way to speak with you and your customers directly. Our social media team answers questions from the community, and is glad to receive feedback, likes, and mentions. But even if you don't have much experience with social networks, it's easy to get started. We are happy to help you if needed with our partner marketing, for instance through joint social media campaigns or online recruiting. Follow us and become a part of our heroal community.



heroal Academy: new webinars, workshops, and practical seminars.

The heroal Academy offers a comprehensive range of training for heroal partners, architects, and employees, including a variety of themed training sessions. We will once again be offering interesting webinars and practical seminars in 2022.

09/09 – Webinar:

CE – Appropriate technical documentation (ATD) and Technical documentation (TD)

09/09 – Webinar:

CE – Declaration of performance in accordance with the EU-BauPVO

23/09 – Webinar:

CE – Test planning for doors and windows in accordance with EN 16034 and EN 14351-1

26/10 and 15/11 – Workshop:

CE – Factory production control (WPK)

18/10 – Practical seminar:

Professional installation of windows, doors, and support brackets

10/11 – Webinar:

Opportunities and risks when using maintenance agreements

Further Information and registration:

www.heroal.de/academy
(only in german language)

heroal Partner News.

We are also glad to publish your news on events or new products that could interest the heroal network. To do so, simply write us an e-mail at marketing@heroal.de



Ultra-Lite Shutters: Supplying Canada with heroal VS Z sun protection.

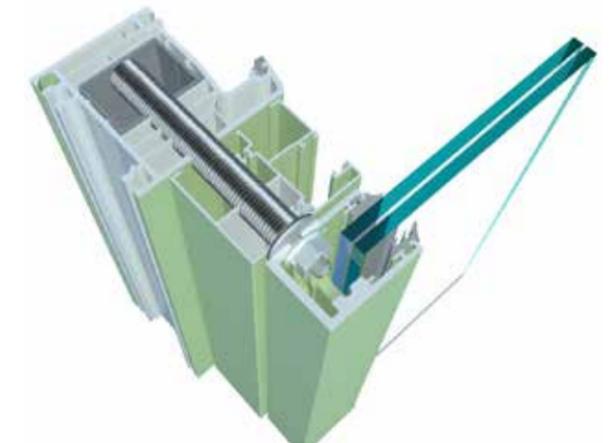
Ultra-Lite Shutters in the Canadian city of Calgary is a long-term heroal partner. As an installer of heroal roller shutters and roller doors, Ultra-Lite successfully distributes our products throughout Canada and to parts of the USA. Now, the company is trusting in proven heroal quality in the sun protection area as well: their portfolio now includes the heroal VS Z sun protection system, which has been in production since May of 2022. We are looking forward to this exciting project and our ongoing successful partnership!



Timmerman & heroal: 50 years of partnership.

In 2022, we are celebrating 50 years of partnership between Timmerman and heroal – congratulations to our partners in Belgium! Founded in 1947, the family company from Maldegem is a true pioneer in window, door and curtain wall technology. The partnership was founded in 1972 by René Timmerman and Johann Henkenjohann.

We have grown continuously over the years and consistently expanded our product range, and we are glad to have such a competent, positive partner at our side – we are looking forward to the next 50 years, and our ongoing joint projects!



Febatec: The new Fix Max® attachment system approved under building law.

Febatec Fenster- und Bauelementetechnik GmbH from the Upper Bavarian town of Rosenheim specialises in railing and attachment systems, aluminium doors, PSK lifting, sliding and folding systems, as well as aluminium elements of all kinds.

The company has now developed an innovative attachment system: Fix Max® makes it possible to attach fall protection railings in all common window frames – and is the first system to fulfil all national building law specifications. Tests and approvals were carried out with heroal window systems. Congratulations!



overview

overview

Know-how: with the heroyal TSC.

FAQ on classification of fire protection doors.

1. What types of valid classifications are there in Germany, and how do they differ from one another? What are the different classification goals?

The most up-to-date basis for classifications on the German market has been in force since November 2019 in the fire protection area. A uniform, CE classified approval basis for interior and outdoor use in accordance with the standards EN 14351 part one and two in conjunction with EN 16034 was discarded based on the objections of different European countries. What remains are the regular national approval for indoor use and a CE classified fire protection product for outdoor use. The European resolutions are EI2 30-S200-C5 or EI2 30-Sa-C5, and for national approval T 30 FSA-RS.

2. How do I decide which classification is right for a certain application, how do you combine different requirements, and what are potential pitfalls?

The fire protection classification needed for a building is decided based on building planning. The architecture, use, and location of the building are key criteria for specialist planners to determine which fire and smoke protection elements should be used for the building. The classifications used in planning and implementing the elements are decided on this basis. Most applications are indoor applications. In this case, national approvals of the fire protection systems apply. However, more and more often, outdoor uses for fire protection elements are required. In this case, classification is via a CE designation.

The national approval that regulates indoor uses of fire protection door elements and that is issued by the DIBT* (called the general building approval/general design certification with an associated approval number) indicates the production of single and double-leaf fire protection doors with side panels and skylights in different sizes. The approved versions for indoor use include properties for fire protection, continuous function, and versions for escape and rescue routes. In connection with the glazing approval, glazing walls

can be manufactured that contain the required doors. When using fire protection door elements outdoors, verification of the classification and EXAP report is decisive for whether doors can be designed with one or two leaves with side panels and skylights. Another approval exists in Germany for the glazing. This is also considered a general building approval/general design certification.

3. What influence do different classification objectives in Germany have on peripheral performance specifications like emergency exit security, etc.? Does smoke protection make sense in outdoor uses?

There are other required, mandated properties for the CE classification that must be verified for a fire protection element. Verifications are required, for instance, for air permeability, tightness against driving rain, wind load handling, U values, differential climates, etc., as well as the "Approval capability" to construct escape and rescue routes in accordance with DIN EN 179 / 1125.

Another property required more and more often in outdoor fire protection applications is smoke protection. In connection with ventilation and drainage of outdoor elements, it can be a challenge. However, the question is whether smoke protection is actually needed, since the conditions required by the standard for smoke protection testing do not apply.

4. What are potential conflicts between design and fire protection requirements? What should be taken into consideration when installing fittings?

Conflicts can occur when architectural requirements are contrary to the available approval characteristics. This could include, for instance, maximum element sizes, special fitting variants, or requirements for escape and rescue routes. In such cases, planning judgement and a willingness to compromise are essential.

The transparency of fire protection elements with large-surface glazing is another important criterion to allow fire protection planners and architects to plan freely with system solutions for private and property construction.

In general, today fire protection approvals already permit a high level of customisation. Continuous function and fulfilling safety-relevant requirements, however, should not be ignored.

Because supplements and extensions to approvals require extensive testing – in most cases, tests are required on both sides for fire and smoke protection as well as continuous function – special features not included in the approvals should be discussed with the approval holder in building planning far in advance. This also applies to extensions for the installed fittings.

5. What are the requirements for using different types of glass in fire protection systems?

Glass manufacturers use many different types of glass for fire protection. The different structures of these glass types all have to be tested with the specific fire protection door system by both sides, during a fire, in different wall structures, with continuous function, and to ensure smoke protection.

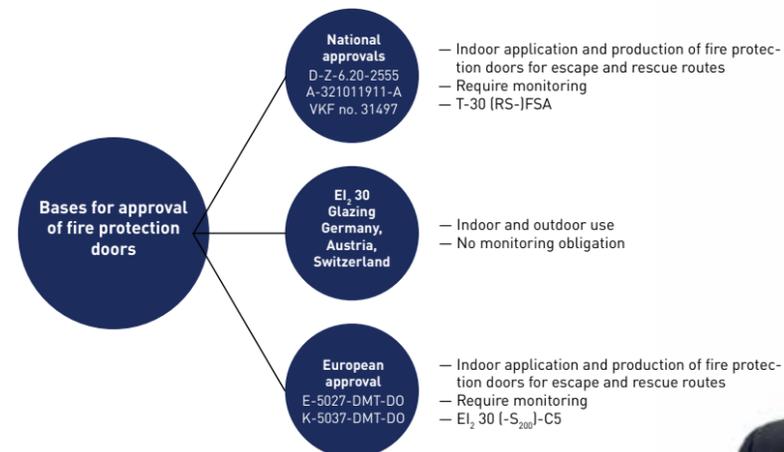
A continuous protective function can only be ensured if these safety-relevant components are maintained regularly – not only when hold-open devices or swing door drives are installed.

6. What role does sustainability play in the fire protection area?

More and more customers and legislatures are requiring fire protection elements to be manufactured of certified environmentally-friendly, healthy, and reusable materials. Therefore, companies are required to submit verification of this.

One option is Cradle to Cradle certification for fire protection elements. The Cradle to Cradle Certified® product standard evaluates materials and processing procedures in five categories. The sustainability of the building elements is assessed on a comprehensive basis along the entire product life cycle.

Another option is providing Environmental Product Declarations (EPD) for the materials and services used, as well as the impact of the building elements on the environment. An EPD provides quantified, environmentally-specific information from across the life cycle of a product or service, in order to facilitate comparisons between products or services with the same function. Requirements for EPD verifications also cover fire protection. Because of this, designing systems relevant for fire protection is more and more becoming a question of sustainability.



Thomas Hünemeier,
Head of the Technical Support Centre (TSC)

*German Institute for construction technology

Installation instructions heroal Ready VS Z Version 2.0

Outlook & retrospective

Installation tips.

Panel boxes and guide rails

When installing the panel box, ensure that installation is exactly horizontal so that the textile winds straight, and use a level to check alignment adapted to the respective element width (level precision: 0.5 mm/m). It is important that the guides are aligned vertically to the box and that the distance of the guides over the same element height is identical. To check, measure the diagonals (measured from the top end of the guide rail to the opposite bottom end of the guide rail end). The guide rails are correctly aligned when both diagonals are the same length (tolerance: +/- 2 mm). Only install the guides on a flat, parallel surface, since the guide rails do not compensate for any uneven areas or offsets.

The guide rails are used primarily to guide the textile and absorb wind loads, and only keep tensile stress in the textile to a small extent. The textile is smoothed primarily by the weight on the end strip. The remaining elasticity of the foam rubber absorbs the cloth shrinkage. You will obtain the best possible appearance when the side zips run in the inserts of the guide with as little tension or friction as possible. For moderate textile tension, ensure the sponge rubber is deformed only slightly (~ 1 mm). Excessive tensile stress on the textile will cause folding (often horizontal or diagonal), and can also damage the textile or other components.

Cable routing

When routing cables, ensure that the tubular motor cable cannot come into contact with movable parts. The cable must be installed in a loop. The lowest point of the loop should be as far as possible under the cable inlet on the motor. The loop prevents water from getting to the motor head. Check for correct seating of the tubular motor cable in the panel box once again when connecting the motor to the building project.

Textile alignment and adjustment

Before you teach in the end positions and close the guide rails, check to ensure the textile is aligned properly. To do so, it is a good idea to bring the textile down completely without the side inserts and caps on the guides until the end strip is around 30 mm above the guide rail ends. Align the textile to the groove tube so that the distance between the zip and inside of the caps on both sides is the same. Check the textile alignment when wound. It is important that the side zips run parallel to the guide rails.

Correct end position adjustment

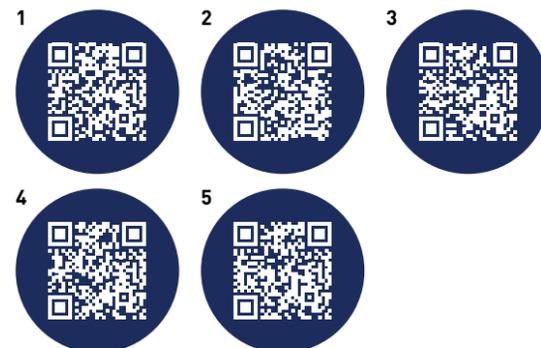
The end strip must hang freely for the textile to smooth out and to avoid damage to the guide rails. Therefore, adjust the lower end position of the end strip to 20 mm above the end of the guide rail. The repeat precision of the end position with the tubular motors used (repeatability) is typically +/- 5°. With a 100 size shaft, this means a tolerance for the end position of +/- 8.7 mm.

Evaluating product properties

The product properties are evaluated according to the "ITRS* guidelines for evaluating product properties in blinds". Please note that a viewing distance of 3m must be maintained when evaluating any scratches or other faults. The evaluation is conducted in diffuse daylight. The angle of view must be vertical to the surface viewed.

Videos

- 1 heroal GR 37 guide rail
- 2 heroal GR 25 guide rail
- 3 Contra guide rail
- 4 End strip stop
- 5 Insert



Retrospective

FeuerTrutz Fire protection days

- 16 February 2022, Berlin
- 10 March 2022, Bavaria
- 17 March 2022, North Rhine-Westphalia

heroal Forum digital

June 2021 to February 2022
The event was held in 2021 in digital form, distributed over six dates. The presentations are available in the heroal Communicator media library.

Passi'bat

12–13 April 2022, Nogent-sur-Marne, France

Showroom Verl – Grand opening

03 and 04 May 2022, Verl

Architects, not Architecture

18 May 2022, Munich

FeuerTrutz

29–30 June 2022, Nuremberg

Fensterbau Frontale, co-exhibitor at ift Rosenheim

12–15 July 2022, Nuremberg

Outlook

Archipoint River Cruise

- 16 September 2022, Frankfurt
- 19 September 2022, Düsseldorf
- 20 September 2022, Cologne

Batimat

03–06 October 2022, Paris, France

Sun Shading Expo North America

12–14 October 2022, Charlotte, North Carolina, USA

Published by:

heroal – Johann Henkenjohann GmbH & Co. KG
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Frequency of publication:
semi-annually

Photo credits:

agetwo Film production
Christian Eblenkamp
Christian Weinrich Photography
FEBATEC Fensterbautechnik GmbH
Jörg Hempel Photography
Shutterstock 1440709013
Shutterstock 1192525102
Shutterstock 1170187063
Shutterstock 275867048
Shutterstock 1687192501
Stefan Schilling
Studio Blickfang

Type setting/Layout:
Werbung etc. Werbeagentur AG

Printing:
Print Media Group GmbH

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*Industrial association for technical textiles - roller shutters - sun protection



Roller shutters | Sun protection | Roller doors | Windows | Doors | Sliding doors | Curtain walls | Patio roofs

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