

Connecting function and design with  
window systems from heroyal

# Windows for Better Living Quality.



**heroyal**



## CREATE THE PROPER PROSPECTS FOR YOU AND YOUR NEEDS.

Your windows make your house your home: They let in light and play a fundamental role in the architectural design of your home both inside and outside. Aluminium window systems from heroal offer you various possibilities, and not only in terms of appearance: They also do a very effective job of keeping the room climate constant and noise outside, and they are burglar-resistant. With these systems, you can optimise your building shell to suit your needs.

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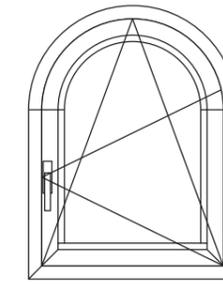
## WINDOWS: DIVERSE AND FLEXIBLE

Whether you use them as ceiling-high glazing, for a small view outside or with round arches, heroal windows offer the right solution for all situations. They create rooms that are flooded with light and fashion tailored solutions, and they make uniform designs possible – coordinated with every building's architecture.

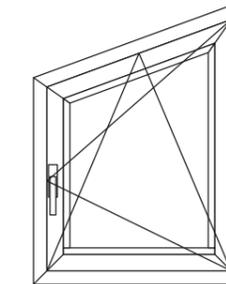


### Diverse construction forms and types of opening

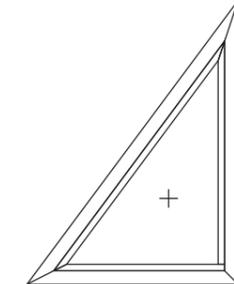
The in-house and industry-exclusive profile bending and sheet metal processing service makes it possible to modify heroal products to suit your exact wishes.



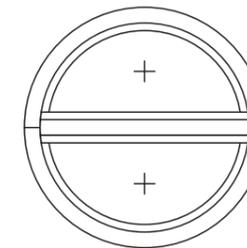
A pivoting / tilt casement opening to the right



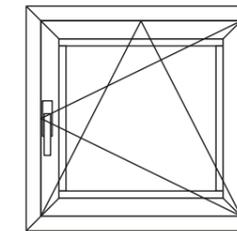
A pivoting / tilt casement opening to the right



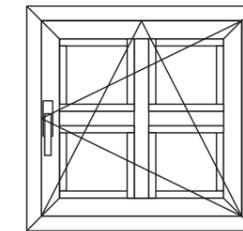
A fixed casement



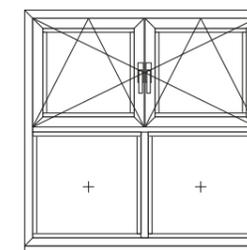
Two fixed casements



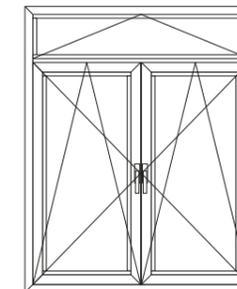
A pivoting / tilt casement opening to the right



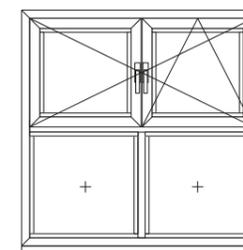
A pivoting / tilt casement opening to the right



Two pivoting / tilt casements, two fixed casements



A tilt casement and two pivoting / tilt casements



A pivoting casement, a pivoting / tilt casement and two fixed casements

heroal's modern aluminium window systems are available in every imaginable construction form – they can be realised as round, arch rise or basket arch windows, and even round window frames can be produced. Depending on the construction requirements of the window opening, different window sizes and forms can be installed to measure.

The window's type of opening is decisive for later potential uses. It therefore impacts ventilation, shading and decoration. In this regard, a differentiation is made between tilt casements, casements that pivot to the right or left, and pivoting/tilt casements that can be tilted or opened to the left or right. All of heroal's window construction forms can also be realised as fixed glazing if it should not be possible to open the window.

## DESIGN: INDIVIDUAL DESIGN OPTIONS

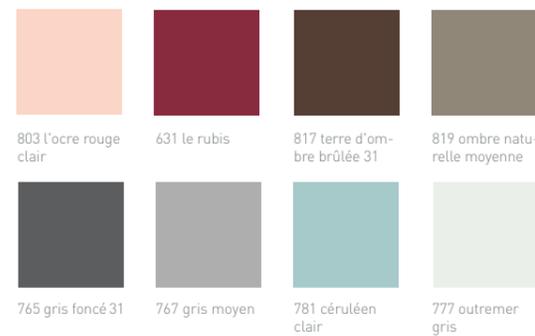
Everybody has their very own vision of their perfect home. That is why you can choose from among an impressive variety of colours and coatings in excellent quality for heroal windows. That lets you give your windows the proper framework in every regard – specifically, your personal one.



heroal windows offer maximum design freedom thanks to the in-house coating service. All coating variants from heroal make it possible to create especially durable and weather-resistant surfaces, protection against UV radiation, colour stability and gloss retention. The highly weather-resistant **hwr powder coating** lets you choose from among all the colours of the extensive RAL palette. In addition to the large variety of colours, you can also choose between various levels of gloss – from dull matt to glossy and metallic colours – for the finest nuances and consistent colour. The **heroal Surface Design (SD)** coating procedure extends your design options considerably with designs like refined wood and concrete looks. heroal's coating service is rounded out by the exclusive partnership with **Les Couleurs® Le Corbusier**. This partnership puts the 63 exclusive, natural colours from Le Corbusier at your disposal which you can combine harmoniously.

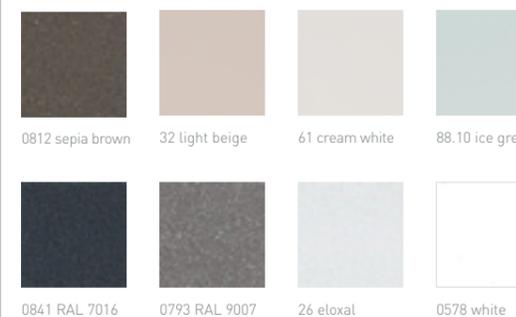
### Les Couleurs® Le Corbusier

The exclusive partnership between heroal and Les Couleurs® Le Corbusier offers you a unique range of colours. The natural colours can be harmoniously combined and manifest incomparable aesthetics, embody special effects and fulfil your desire for a coordinated range of colours.



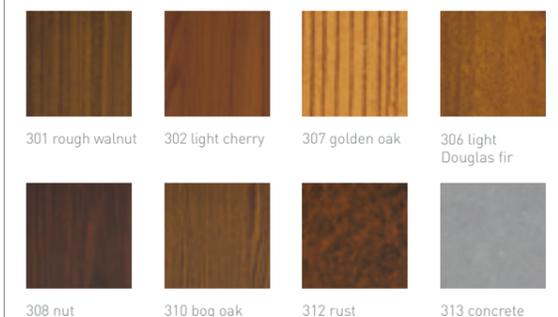
### heroal hwr powder coating

The highly weather-resistant heroal hwr powder coating ensures lasting colour stability. All the colours of the extensive RAL colour palette can be realised – and in various levels of gloss to boot: From dull matt to glossy and metallic colours.



### heroal SD

heroal SD surface finishing extends your design options and offers exceptional resistance and extremely convenient finishing. First, the windows are equipped with the heroal hwr powder coating, and then they are finished in the desired design.



You can view the entire colour selection using colour fans. For printing reasons, the colours shown here may differ from the original colours.

## ENERGY EFFICIENCY: TOP OF THE LINE

Living comfort is when you enjoy being in your home. It includes a constant temperature inside your house, no matter whether it is sweltering hot or freezing cold outside. You can keep a cool head and warm feet with windows from heroyal.



The window systems from heroyal reach heat insulation values of  $U_f \leq 1.3$  to  $U_f \geq 0.8$ . Because of these U-values, their classifications range from **highly thermally insulated to suitable for passive houses**.

During the cold season, more than a quarter of heat escapes through windows. That is why more and more homeowners are deciding to replace their windows and building owners are opting for highly thermally insulated windows or even windows that fulfil the passive house standard. The installation of new, thermally insulated windows currently ranks second among energy renovation measures. It's an investment that pays off in the long run.

Aluminium windows from heroyal minimise the energy loss through optimum profile construction and fitting technology, and they unite maximum energy efficiency with elegant profiles. Whether a new building with a passive house standard or the renovation of an existing building is concerned: heat insulating measures are supported by the federal government, the provincial governments, and the KfW.



## BURGLARY RESISTANCE: CERTIFIED AND RELIABLE

So you can stay relaxed, even if you go on a longer holiday:  
With heroyal windows, you will find the proper solution for your  
requirements. Installing these windows helps you protect not only  
material assets but also your private sphere from burglars.



The **resistance classes (RC)** indicate how effectively the windows protect against burglary: From RC 1 (basic protection) to RC 4 (high protection), which withstands even experienced perpetrators armed with battery-powered drills. heroyal windows are certified up to the resistance class RC3, and the combination of heroyal windows and heroyal's stainless steel hinge is even certified up to RC4.

Burglars often enter houses through windows, which is why they need to be especially well protected. Burglar-resistant features include anti-lift devices, the largest possible number of lock points, lockable window handles and safety glass. Window systems from heroyal fulfil these security features lastingly and reliably. Additionally, the assembly technique which heroyal has developed improves the windows' stability considerably.

Investing in heroyal windows pays off: According to crime statistics from the police, more than 100,000 houses are broken into on average in Germany every year. RC-certified building components make sure that burglars do not have enough time to render them inoperative. You effectively protect your home with the high-quality window systems from heroyal.

## SOUNDPROOFING: WELL-BEING INCLUDED

Even if you do not live right on a street with lots of traffic, there are many sources of disturbing noises. Windows from heroal effectively protect against noise from outside, whether it comes from lawn mowers, construction sites or barking dogs. They therefore contribute to the peace that promotes your well-being.

**Almost one in five people is afflicted by noise** from railway, street and flight traffic **exceeding 55 dB during the day**. **At night, one in eight people** experiences sleep disturbances from traffic noise **exceeding 50 dB**.

Honking, traffic noise, barking – a high level of noise means a lot of stress for our bodies and our brains. People who are exposed to noise on an ongoing basis can even become ill. That makes it even more important to give yourself a respite. Restful sleep is also essential, but we can enjoy relaxed sleep only in quiet environments. Appropriate soundproofing options make sure you have the peace you need.

With heroal soundproofing windows, you can reduce the noise level by up to 49 dB, which increases living comfort noticeably. Window frames and proper window installation impact noise reduction every bit as much as the thickness and mass of the window panes. That is the only way windows can absorb noise instead of transferring it to living space. If you choose heroal windows, you can even benefit from state funding: In densely populated regions, installation is promoted with subsidies.

Test the effect of soundproofing: [www.heroal.de/sound-insulation-testing](http://www.heroal.de/sound-insulation-testing)

# FEATURES: EXACTLY WHAT YOU NEED

Insulation values, surface design, burglary resistance: You can design your windows exactly according to your requirements with heroal. The feature options are flexible both in terms of their appearances and their functions.



**Surfaces**

- all colours of the RAL palette are possible
- different levels of gloss and designs are available, such as wood or concrete looks
- all 63 colours from © Le Corbusier are also available > see page 6

**Opening mechanism**

- can be realised with various types of opening > see page 5

**Window handles**

- modern handle designs
- available in white, pure white, grey and silver as standard
- can be made individually with every RAL colour shade

**Fittings**

- standard basic security with anti-lift device
- RC 3 certification

**Automation**

- heroal WF drive can be concealed in the frame
- tilting and turning positions can be controlled with a motor

**Glass**

- different glasses can be used for different requirements (burglary resistance, soundproofing, heat insulation, etc.)

**Construction forms**

- single- or double-casement window units, ceiling-high window and French door elements
- upon request, round-arch and cross-bar windows can also be realised > see page 5

**Hinges**

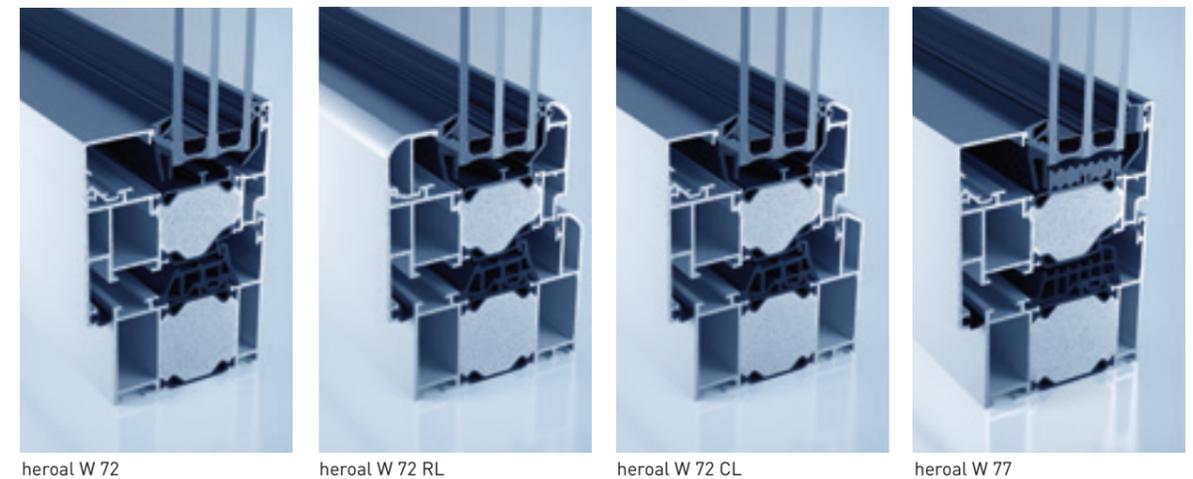
- surface-mounted or concealed
- reliable and easy to use
- surface-mounted hinges can be produced individually with every RAL colour shade

**Smart home**

- heroal windows are compatible with common smart home systems
- can be easily used via app
- additional features: for example, setting automatic ventilation times or checking locking states from on the go

With the aluminium windows from heroal, you enjoy all the benefits of a modern window system. The high weather resistance and the natural protection against corrosion, as well as the good material stability, make them very durable and able to fulfil all the criteria for sustainable and energy-efficient construction. Minimum wear is guaranteed, even with countless opening and closing processes. That makes your heroal aluminium window nearly maintenance-free, even if you use it for many years.

In addition to the construction form, your requirements are decisive for selecting the proper system and include heat insulation, design and protection against noise and burglary.



heroal W 72

heroal W 72 RL

heroal W 72 CL

heroal W 77

Whether they feature a regular outer contour, **heroal W 72**, a roundline contour, **heroal W 72 RL**, or a slanted classic line contour, **heroal W 72 CL**, the heroal systems with 72 mm installation depth are ideally suited for new buildings and renovations. The highly insulating system **heroal W 77** is even suitable for passive houses with only 77 mm installation depth.



Plug-in handle with surface-mounted gears

Plug-in handle with round rose

heroal design window handle

Window handles from heroal combine exclusivity, functionality and durability and offer standard basic security. Choose from among plug-in handles with gears in a surface-mounted box, plug-in handles with round roses or the heroal design window handles.



### The heroal promise

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

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



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

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

[www.heroal.com](http://www.heroal.com)