

Security and Comfort with  
Aluminium Door Systems by heroal

Home starts  
at the front door.



**heroal**



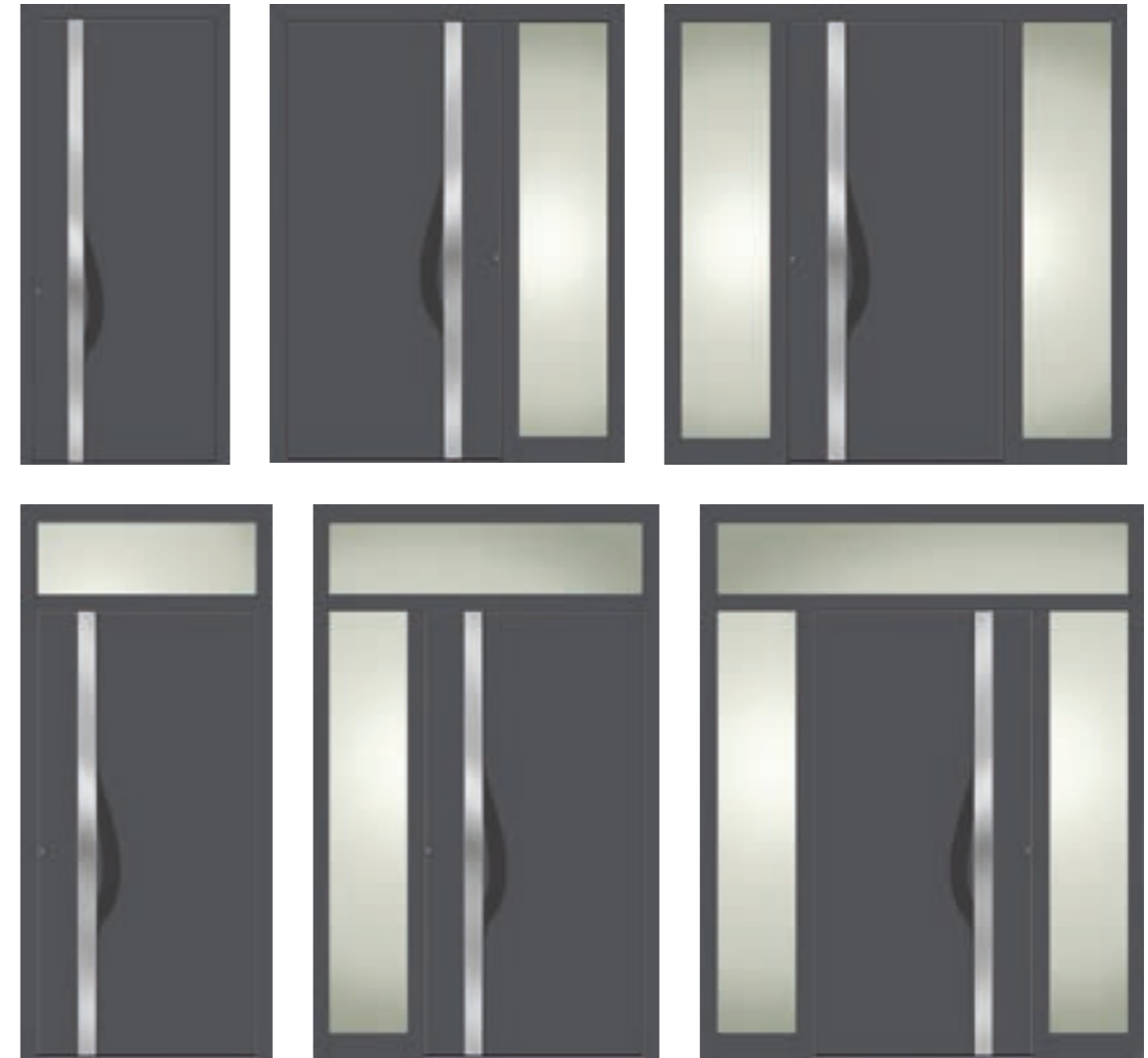
## YOUR ENTRANCE DOOR IS THE GATE TO YOUR WORLD.

Your entrance door is more than just a door to get into your house. By choosing high-grade, reliable entrance doors by heroyal, you create individuality: because aluminium entrance doors offer a maximum of security, freedom of design and energy efficiency, reduce sound levels and can be designed to ideally adapt to various architectural styles and building shells.

- 04 Entrance Doors: to your preferences
- 06 Design: variety creates freedom
- 08 Energy Efficiency: state-of-the-art
- 10 Burglary Resistance: for maximum security
- 12 Soundproofing: keep the noise outside
- 14 Configuration: finely tuned

## ENTRANCE DOORS: TO YOUR PREFERENCES

The design of your home begins at the entrance door - heroyal entrance doors open unlimited options for design. No matter what your preferences and requirements may be.



Design your entirely individual entrance door from an extensive range of door models, re-finishing options, operating elements and lots of extras. Depending on your requirements, the **structural shape** of the door can be single-sash or double-sash. **Sidelights** can be placed either on the left or on the right or on both sides of your entrance door. A **toplight** provides for additional light.

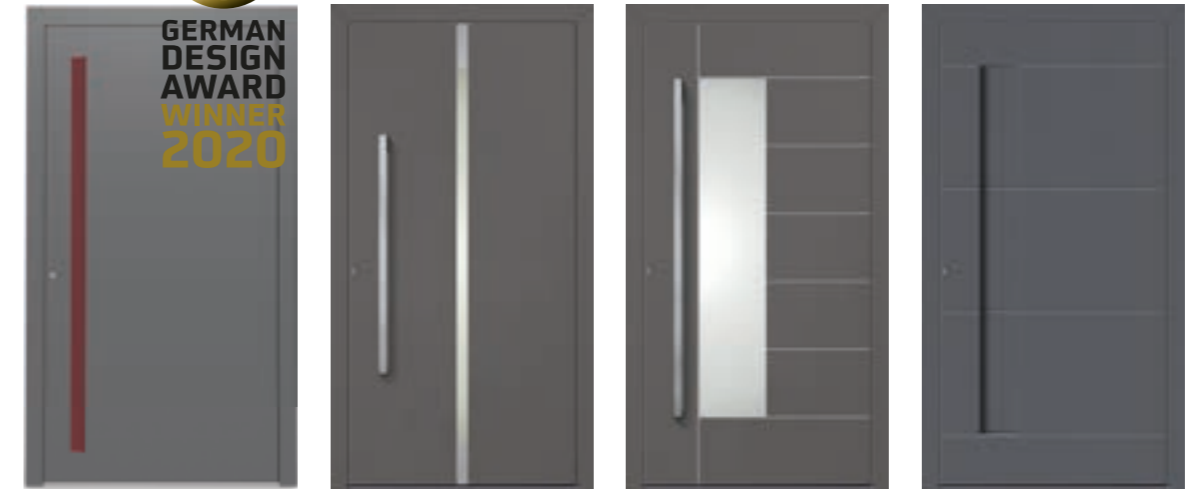
You can customize the **size** of your heroyal entrance door: apart from standard sizes, especially large doors or side entrance doors are available. heroyal entrance doors are tailor-made for you and your home. You can also choose the required **opening mode**, depending on whether you opt for a door opening towards the left (DIN left) or a door opening towards the right (DIN right).

## DESIGN: VARIETY CREATES FREEDOM

Whether to match your windows, in your favourite colour or with a glazed zone: heroal entrance doors make unlimited design variants and door panels available to you. Have your entrance door made exactly to your design.

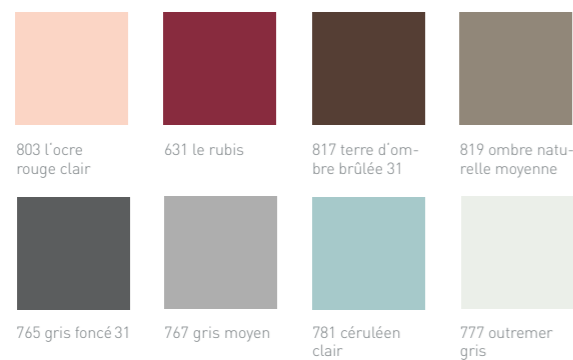
Thanks to the factory-owned coating service, entrance doors by heroal offer maximum freedom of design and meet the demand for different colours on the outside and the inside. All heroal coating variants stand for especially durable and weather-resistant surfaces, protection against UV radiation as well as colour and gloss retention.

The high weather resistant **heroal hwr powder coating** offers you all the colours of the extensive RAL colour chart. In addition to the wide range of colours, you can also choose between different gloss rates – from dull matt through brilliant to metallic – with the subtle nuances within one shade. That way, you can create the look that matches your home. The coating procedure **heroal Surface Design (SD)** enlarges the design options by a whole variety of looks, such as elegant wooden or modern concrete surfaces. For this purpose, the entrance door is heroal hwr powder-coated first and then refined using the required surface finish. The heroal coating service is complemented by the **exclusive Les Couleurs® Le Corbusier partnership**. In addition to the extensive RAL colour chart and the heroal SD surface designs, you can choose from the 63 exclusive, nature-inspired Le Corbusier colour shades, which can be harmoniously combined and also represent spatial effects. As a manufacturer of high-quality aluminium system solutions for the building shell, heroal has been awarded the German Design Award 2020. The heroal Les Couleurs® Le Corbusier entrance door received the award in the category "Excellent Product Design".



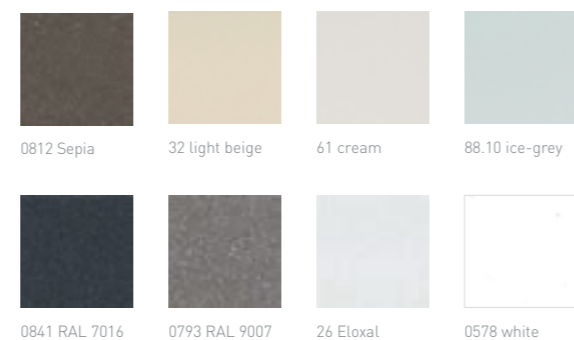
### Les Couleurs® Le Corbusier

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



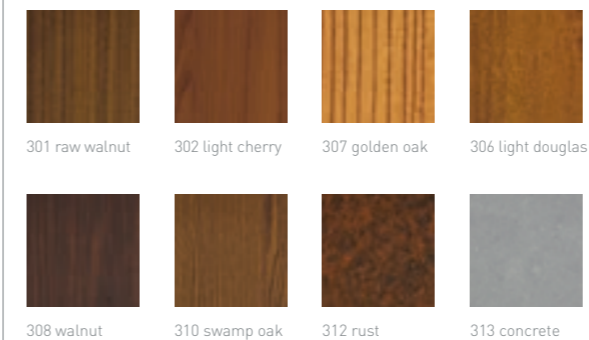
### heroal hwr powder coating

The high weather resistant heroal hwr powder coating provides for long lasting colour stability. All the colours of the extensive RAL colour chart can be applied – in different gloss rates: ranging from dull matt to brilliant to metallic.



### heroal SD

The surface refining heroal SD enlarges the creative possibilities and offers particular resistibility and a high finishing comfort. First the entrance door is heroal hwr powder-coated and then refined in the required design.

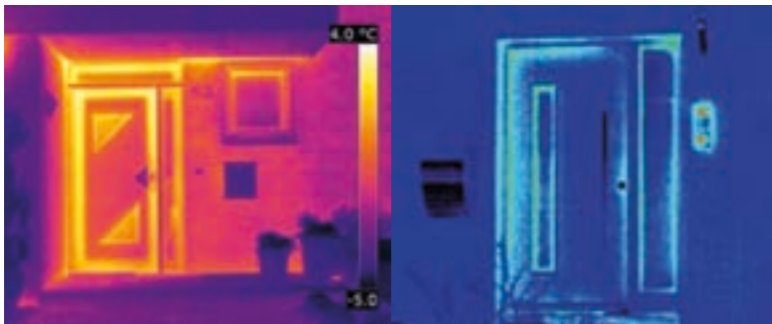


Due to their modular design, both **door frame and door panel** may be combined despite of their different designs. There are numerous variants to choose from. In addition to the exclusive heroal Les Couleurs® Le Corbusier door panel, other panels from well-known manufacturers can be installed using an innovative clip-in system for fixing. You can always choose between an infill and an attachment panel.

**Infill panels** are inserted in the door sash and, as a result, there is a small offset between the sash profile and the panel. **Attachment panels**, however, have the panel attached to the frame – on one or on both sides – so that the frame profile is elegantly covered. Sash and frame may also have an offset or an even design – you can choose between a **recessed and a flush sash**.

## ENERGY EFFICIENCY: STATE-OF-THE-ART

Entrance doors by heroyal attain excellent heat insulation. Due to their modular design, heat insulation values for every requirement can be achieved - also qualifying for passive house suitability.



In its energy saving regulation (EnEV) the German Federal Government has determined how much energy new buildings are allowed to consume. Around 63 % of the residential buildings in Germany were built before 1979 and generally consume much more than the given values because they are insufficiently insulated. By an energy efficient refurbishment, you not only save energy cost, you also retain the property's value and invest in comfort of living - and you can make use of attractive subsidies.

Entrance doors by heroyal set new standards when it comes to heat insulation - the innovative heroyal insulating strip technology combines maximum capacity with minimal loss of heat: the insulating strip geometries reduce the energy flow and, as a result, considerably decrease the thermal conduction. In addition, the profiles are foamed with a special foam: the heroyal foaming procedure provides that the insulating chamber is 100 % filled - and that way ensures optimal heat insulation.

With **heroyal entrance doors**, you can even reach passive house standards: the entrance door system heroyal D 92 UD is characterized by high heat insulation values up to **passive house suitability**.



## BURGLARY RESISTANCE: FOR MAXIMUM SECURITY

You like having guests - but not uninvited ones. In order to keep them outside and for you to feel secure, entrance doors by heroal offer burglary resistance as a standard, meeting resistance class RC 2 as recommended by the police. If requested, our entrance doors also meet RC 3 requirements.

**Resistance classes (RC)** indicate, how efficient burglary protection actually is: from RC 1 (basic protection) to RC 4 (high protection), meaning withstanding experienced thieves using battery drills. heroal systems have been certified up to resistance class RC 3.

No chance of uninvited guests: entrance doors by heroal guarantee increased burglary resistance up to resistance class RC 3. The various components such as hinges, door panels, locks and the material aluminium contribute to the fact that the security of your entrance door ranks first - without being visible from the outside.

Entrance doors by heroal offer you optimal burglary resistance due to the perfect combination of the individual elements - from door handle via door construction to assembly.

## SOUNDPROOFING: KEEP THE NOISE OUTSIDE

Peace and quiet is quality of life, making effective soundproofing so very important. With a noise insulating entrance door you create a noticeably higher comfort and quality of living, because any noise from the outside is effectively turned down.



**Nearly one out of five** of us is exposed to noise by rail, road and air traffic **exceeding 55 dB** during the day. **At night, one out of eight** is disturbed in their sleep because of traffic noise of **more than 50 dB**.

For our body and our brain, a high noise level is a strain. Continuous exposure to increased levels may cause illness. Therefore, time to relax and a restful sleep are essential - but this is only possible in a quiet place. Appropriate soundproofing measures help you to find the rest you need.

With heroal entrance doors you can reduce noise levels by up to 39 dB – which increases your comfort of living noticeably. The combination of different factors is decisive for the functionality of soundproof doors. In addition to a professional installation, the tightness and the density of the door play an important role for the reduction of noise. Because these are the only ways the door can absorb sound instead of passing it on.

Test the effect of soundproofing: [www.heroal.de/schallschutztest](http://www.heroal.de/schallschutztest)

# CONFIGURATION: FINELY TUNED

Panel, hinges, push handle and lever handle perfectly combined, plus a threshold in universal design, a keyless access control, if required, and compatibility with all smart-home systems. You can benefit from numerous details when configuring your heroyal entrance door system.

**Hinges**

- Aluminium or stainless steel barrel hinges, classical surface hinges or completely concealed door hinges are possible
- If requested, hinges can be individually coated, e.g. in RAL colours

**Entrance door panel**

- Designed as fully glazed or with glazed inserts or decorative features in countless colour and design variants
- Panels can be fixed using an innovative clip-in system > please see page 7

**Surface**

- All colours of the RAL colour chart available
- All 63 colour shades of Les Couleurs® Le Corbusier available
- Different gloss rates to choose from
- Multi-coloured versions possible
- With heroyal Surface Design (SD) e.g. fine wooden and concrete looks > please see page 6

**Threshold**

- Barrier-free entrance door with a maximum design height of the threshold of 20 mm
- Zero-barrier and universal design (full accessibility for wheelchairs possible)

**Door handle**

- Selection of various handles and lever handles available for inside
- Selection of various handle strips and push bars available for outside
- Self-locking and multiple-locking fitting variants for additional security

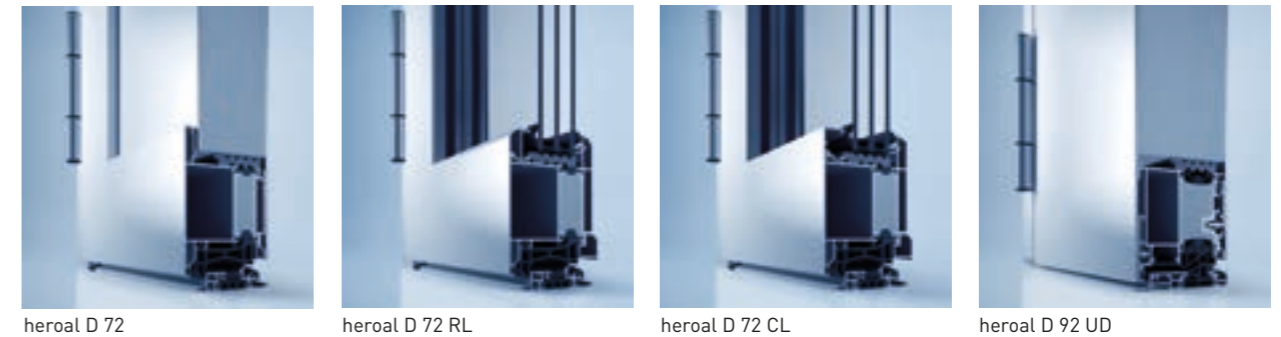
**Smart home**

- Compatible with all standard smart home systems and Bluetooth
- Keyless entry via fingerprint or opening via app

**Structural shapes and opening modes**

- Single or double sash design
- Combinations with sidelights and toplights possible
- Also available as round, segmental or basket arch due to heroyal bending technology > please see page 5

Due to its modular design, the heroyal entrance door system combines excellent performances with comfortable usability. The different looks and functions can be flexibly adapted to every need and requirement. Your personal requirements where e.g. design, burglary resistance and heat insulation are concerned, are the decisive factors when choosing the system that is best for you.



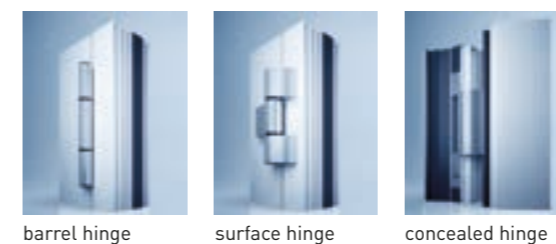
Whether with standard outer contours (**heroyal D 72**), rounded-off Roundline contours (**heroyal D 72 RL**) or bevelled Classicline contours (**heroyal D 72 CL**), heroyal door systems with a design depth of 72 mm are ideally suited for both new buildings and renovation. The entrance door system **heroyal D 92 UD** offers high heat insulation values up to suitability for passive houses.



**heroyal door lever handles** in three variants are compatible with modern technology such as keyless entry and Bluetooth, ensuring high usability comfort.



**heroyal locking systems** are certified up to **class RC 3** and therefore ideally suited for burglary resistance. The fully-automatic version provides special comfort through motor-driven opening and closing.



**heroyal door hinges** include barrel hinges, surface hinges or concealed hinges to choose from. If required, they can be coated in the same colour as your entrance door or in a harmoniously contrasting colour.







### 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)