



# heroal Les Couleurs® Le Corbusier Door

heroal D 72



# heroal

SIMPLY BETTER. DESIGNED.

15



**GERMAN  
DESIGN  
AWARD  
WINNER  
2020**

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## Colour Is Our Strength

Now As heroal Les Couleurs® Le Corbusier Door

heroal is the market leader in the field of aluminium house door profiles and has possessed a very high level of coating expertise for many years. Through an exclusive partnership with Les Couleurs® Le Corbusier, we are expanding our high-quality range of finishes and granting you access to a total of 63 Polychromie Architecturale colour shades.

The result: heroal Les Couleurs® Le Corbusier Door – **SIMPLY BETTER. DESIGNED.**

### Take advantage of the exclusive heroal Les Couleurs® Le Corbusier door including infill panel!

You will get everything from a single source within two weeks:

- » high-quality system profiles,
- » high-quality house door infill panels
- » and fittings if required – all with the best heroal hwr powder coating in Le Corbusier colours

Over the following pages you will get an insight into the approach to colour design taken by the architect Le Corbusier and an overview of the opportunities offered by the new heroal Les Couleurs® Le Corbusier house door infill panel. In addition, we present selected options available with the door system heroal D 72. Further information relating to this can be found in the brochure 88269.

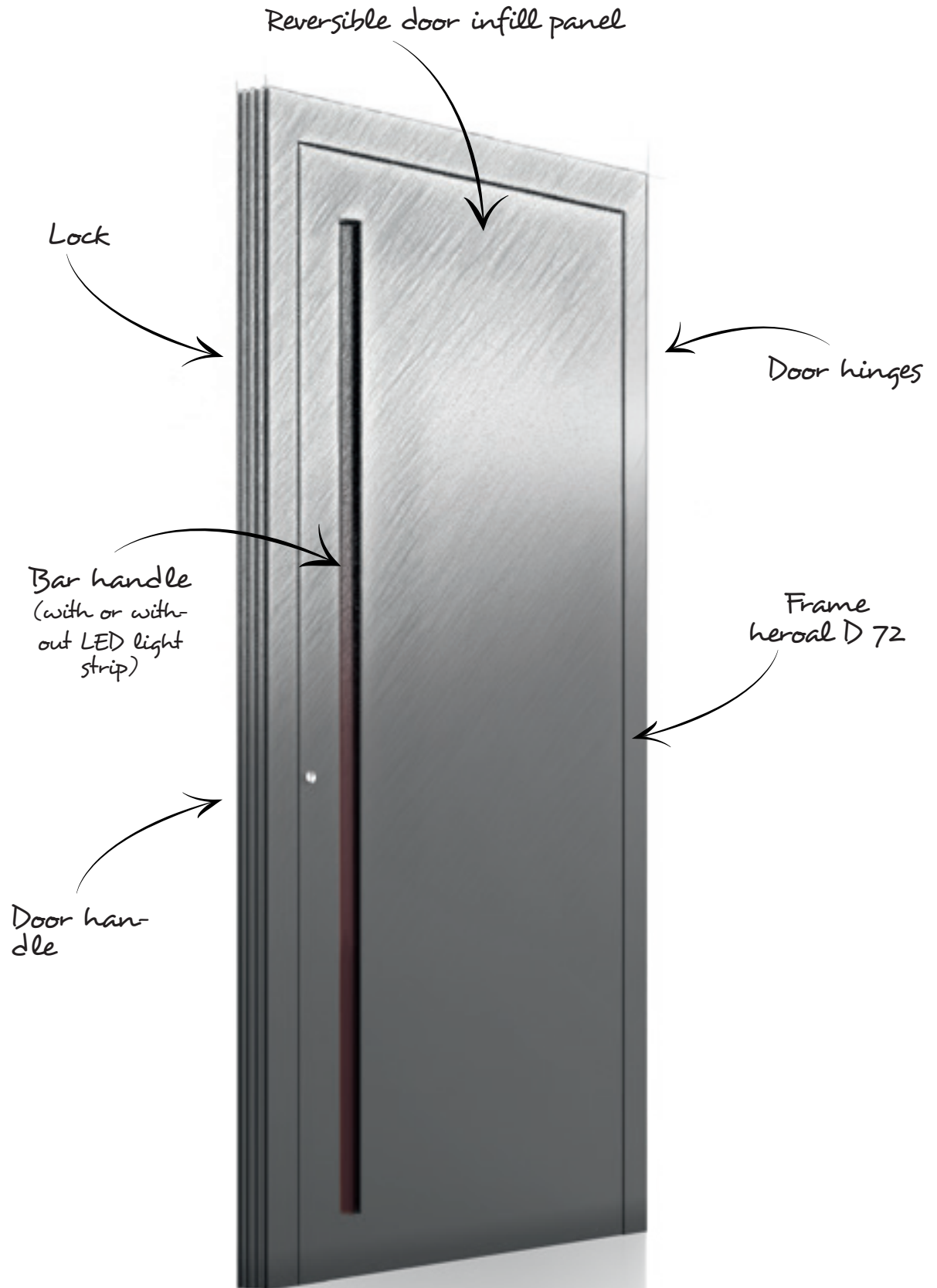
Take advantage of the potential offered to you by this architecturally high-quality house door.

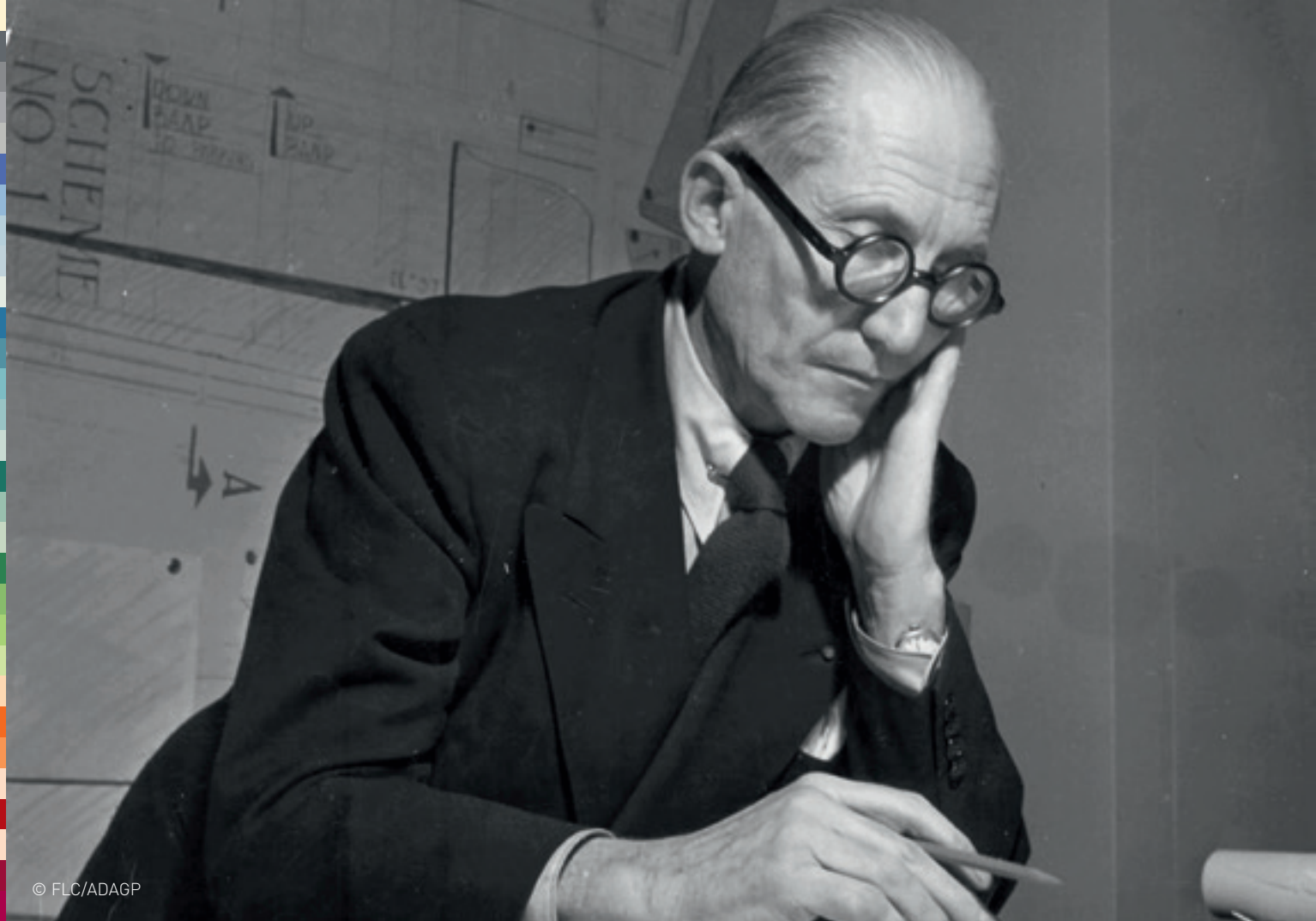
We look forward to shared success!



Kai Luszyk







© FLC/ADAGP

## Le Corbusier

### Polychromie Architecturale

**„Colour in architecture – a tool as powerful as the floor plan and section.”**

Le Corbusier (1887-1965) is considered to be one of the most famous architects of the 20th century and continues to have a profound influence on modern architecture today. During his lifetime, he created numerous urban development plans and built some pioneering buildings. In 2016, 17 of his buildings were added to the UNESCO World Heritage List, attesting to the globalisation of the modern movement.

Drawing on his experiences working with structure, volume and colour, he developed two colour collections in 1931 and 1959: Polychromie Architecturale. The two colour ranges consist of a total of 63 fascinating shades from nine colour groups.

Based on natural-looking basic colours, they conjure up associations with our environment: space, sky, walls, sand, landscape ... Each colour is eminently architectural and naturally harmonious. All colour shades can be combined with one another in impressive fashion and embody spatial effects.

**„Colour modifies space, classifies objects, has a physiological effect on us and reacts strongly to our sensibilities.”  
(Le Corbusier)**

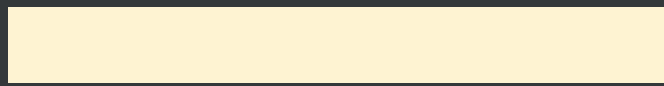




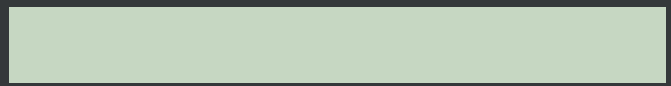
© FLC/ADAGP | Photo: Olivier Martin-Gambier 2006

# Colour Overview

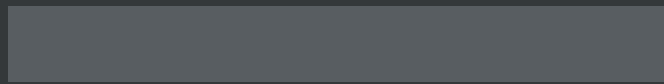
Le Corbusier Colour Collection from 1931 in hwr Quality



32001 blanc heroal colour code 602



32042 vert anglais pâle heroal colour code 787



32010 gris foncé 31 heroal colour code 765



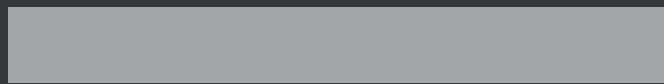
32052 vert clair heroal colour code 788



32011 gris 31 heroal colour code 766



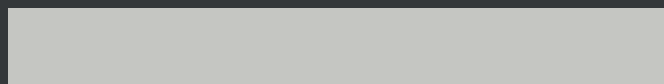
32053 vert jaune clair heroal colour code 789



32012 gris moyen heroal colour code 767



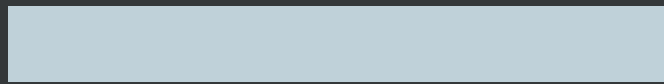
32060 ocre heroal colour code 791



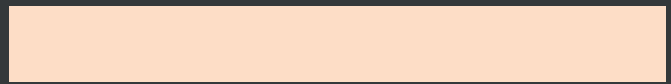
32013 gris clair 31 heroal colour code 768



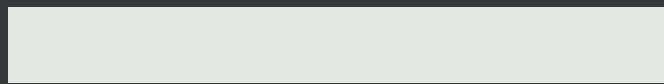
32082 orange pâle heroal colour code 797



32023 outremer pâle heroal colour code 776



32091 rose pâle heroal colour code 635



32024 outremer gris heroal colour code 777



32102 rose clair heroal colour code 773



32031 céruléen vif heroal colour code 778



32110 l'ocre rouge heroal colour code 801



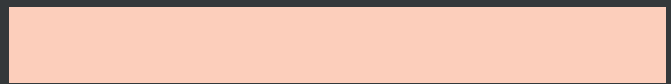
32032 céruléen moyen heroal colour code 780



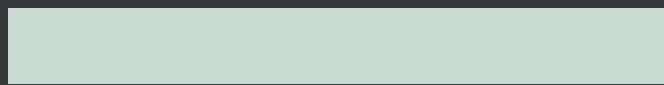
32111 l'ocre rouge moyen heroal colour code 802



32033 céruléen clair heroal colour code 781



32112 l'ocre rouge clair heroal colour code 803



32034 céruléen pâle heroal colour code 782



32120 terre sienne brûlée 31 heroal colour code 811



32041 vert anglais clair heroal colour code 786



32121 terre sienne brique heroal colour code 813



## Colour Overview

Le Corbusier Colour Collection from 1931 in hwr Quality



32122 terre sienne claire 31 heroal colour code 814



32131 ombre brûlée claire heroal colour code 818



32123 terre sienne pâle heroal colour code 815



32141 ombre naturelle moyenne heroal colour code 819



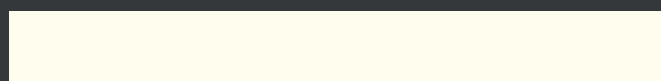
32130 terre d'ombre brûlée 31 heroal colour code 817



32142 ombre naturelle claire heroal colour code 820

## Colour Overview

Le Corbusier Colour Collection from 1959 in hwr Quality



4320B blanc ivoire heroal colour code 603



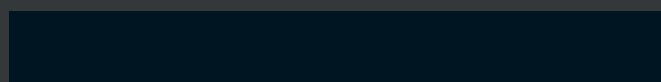
4320L ocre jaune clair heroal colour code 799



4320D terre sienne brûlée 59 heroal colour code 816



4320M le rubis heroal colour code 631



4320E noir d'ivoire heroal colour code 769



4320N bleu céruléen 59 heroal colour code 783



4320F vert olive vif heroal colour code 790



4320P terre sienne claire 59 heroal colour code 800



4320H gris 59 heroal colour code 772



4320U gris foncé 59 heroal colour code 775



4320J terre d'ombre brûlée 59 heroal colour code 823



4320R ombre naturelle 59 heroal colour code 650

# Colour Overview

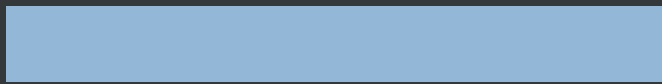
Interior Colours – Le Corbusier Colour Collections from 1931 and 1959



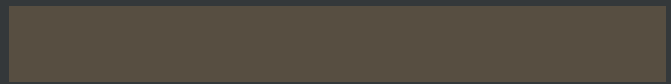
32020 bleu outremer 31 heroal colour code 525



32101 rouge rubia heroal colour code 596



32021 outremer moyen heroal colour code 530



32140 ombre naturelle 31 heroal colour code 600



32022 outremer clair heroal colour code 535



4320A rouge vermillon 59 heroal colour code 622



32030 bleu céruléen 31 heroal colour code 540



4320C rose vif heroal colour code 662



32040 vert anglais heroal colour code 548



4320G vert 59 heroal colour code 624



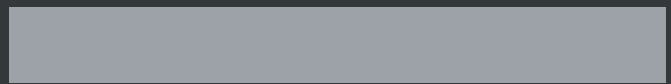
32050 vert foncé heroal colour code 552



4320K bleu outremer 59 heroal colour code 646



32051 vert 31 heroal colour code 555



4320O gris clair 59 heroal colour code 649



32080 orange heroal colour code 570



4320S orange vif heroal colour code 663



32081 orange clair heroal colour code 585



4320T bleu outremer foncé heroal colour code 651



32090 rouge vermillon 31 heroal colour code 588



4320W le jaune vif heroal colour code 655



32100 rouge carmin heroal colour code 591

Colours may differ from the original Le Corbusier colours for technical printing reasons.  
Please see the heroal Les Couleurs® Le Corbusier colour charts for the original colour shades.

# Le Corbusier Exclusively at heroal

## Harmonious Colour Design

On the basis of the exclusive partnership with Les Couleurs® Le Corbusier, heroal now offers this unique colour range for windows, doors, curtain walls, lifting/sliding doors, roller shutters, sun protection and roller doors. Processors, developers and architects thus get a degree of design freedom for private construction and the building industry that is **SIMPLY BETTER.**: with timeless, up-to-date colours that demonstrate incomparable aesthetics. In this context, for the first time heroal is offering all components for a house door including infill panel with the system heroal D 72.

heroal is thus meeting the demand for the coordinated colouring of system profiles, house door infill panels and fittings with its excellent coating technology.

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".



## Two-Colour Design

Exterior and Interior Colours – As Desired

With heroal, building shells can now also be designed in Le Corbusier colours: windows, doors, curtain walls, lifting/sliding doors, roller shutters, sun protection and roller doors in original Le Corbusier colours provide additional enhancement for architecture.

The aesthetic diversity of these colours encourages the combination of several colour shades in the design. With the heroal D 72 house door, frames, infill panels, bar handles and hinges can feature different colours according to the customer's wishes – including internally and externally.

The Le Corbusier colour range thus ensures convincing colour design. Furthermore, the heroal online configurator supports you with the individual composition of the entire door, including all of its components.

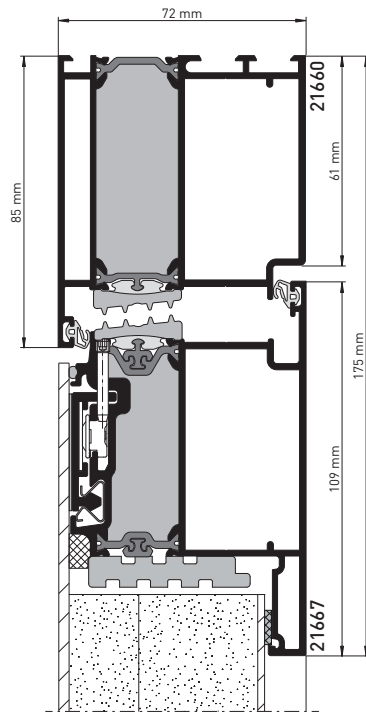




# Door Infill Panels

Colours and Functions – in Wonderful Harmony

The new heroal Les Couleurs® Le Corbusier house door infill panel always combines the best materials, the highest



functionality and maximum flexibility with the unique Le Corbusier colour range.

- It is offered for the casements of the heroal D 72 door system:
  - » with an infill panel with a thickness of 60 mm for the casement profile 21667 (installation depth of casement profile 72 mm)
  - » with an infill panel with a thickness of 70 mm for the casement profile 21649 (installation depth of casement profile 82 mm)

In each version, the door infill panel in resistance class RC 2 according to EN 1627 offers a high level of security. It is permitted without restriction in the heroal D 72 profile system for burglar-resistant doors.

### Thermal Protection Performance

heroal Les Couleurs® Le Corbusier house doors achieve outstanding thermal and soundproofing values through the combination of frame profile, casement profile and bar handle. This is ensured by the insulating core made of PU foam with an apparent density of 60 kg/m<sup>3</sup>. With a door size of 1,230×2,180 mm and an infill panel thickness of 60 mm, a U<sub>d</sub> value of 0.91 W/m<sup>2</sup>K is achieved; with an infill panel thickness of 70 mm, a U<sub>d</sub> value of 0.87 W/m<sup>2</sup>K is attained.

### The Innovative Reversible Infill Panel Fixing

The heroal Les Couleurs® Le Corbusier door infill panel also offers the innovative fixing technology for single-sided casement-enclosing house door infill panels (CCI) or attachment infill panels at the factory: the pre-fabricated infill panel is simply attached to the casement through jointing – without time-consuming full-surface panel adhesion using 2-part adhesives – as is usual for heroal door systems.

This type of infill panel fixing is beneficial for processors: the simple, time-saving infill panel installation can be carried out belatedly on the construction site. Should design requirements change, the infill panel can be just as easily removed. For infill panel installation, heroal offers an accessory set with all necessary items.

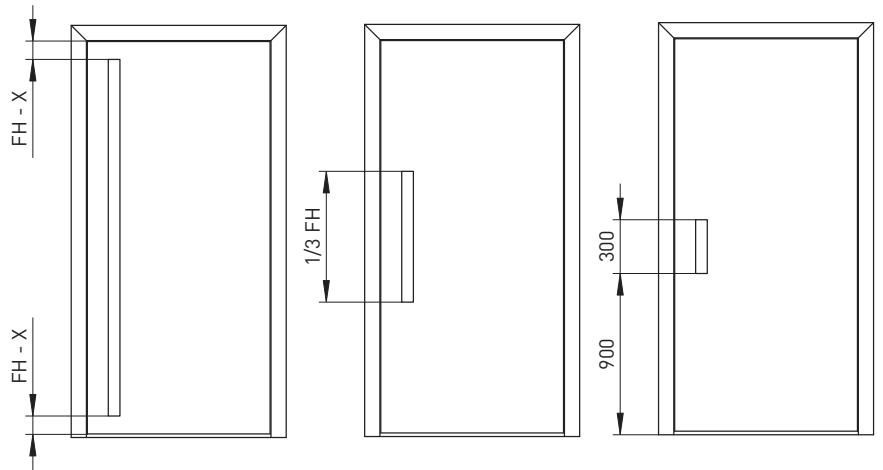
heroal Item Number	Designation	Contents
19924 00 00	Accessory set for reversible infill panel fixing	<ul style="list-style-type: none"> <li>• Securing pins</li> <li>• Holding brackets</li> <li>• Compriband</li> <li>• Sealing cord</li> <li>• Preformed strip</li> </ul>



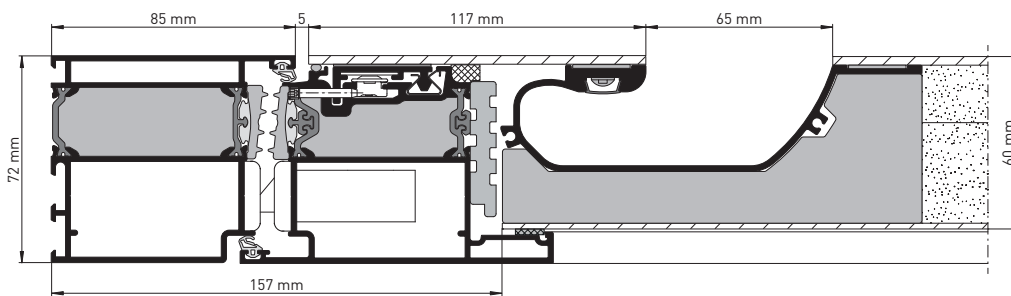
**Bar Handles on the heroal Les Couleurs®  
Le Corbusier House Door Infill Panel**

The ergonomic, visually appealing bar handles replace the classic push handle on the exterior. They can be coated in Le Corbusier colours, setting subtle or striking accents.

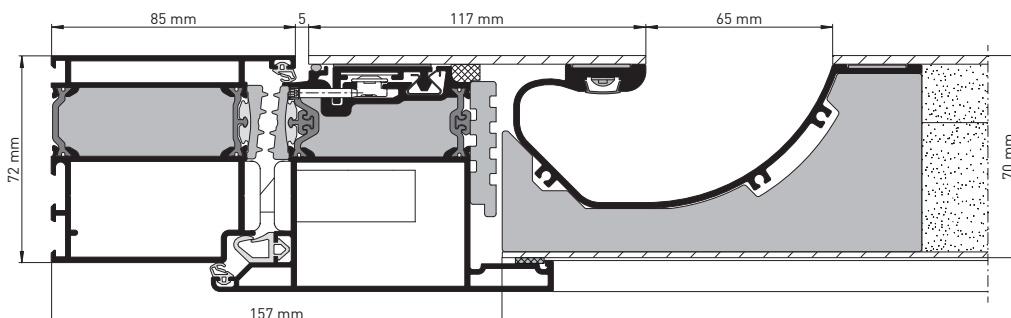
The bar handle is available in three lengths with or without LED light strips.



Depending on whether the casement design is flush or protruding, the corresponding bar handle is chosen. They differ with respect to their installation depth:



Bar handle depth  
for flush casement:  
37.5 mm



Bar handle depth for  
protruding casement:  
50 mm

## LED Light Strips Set Accents

Solutions for Extra Brightness and Design

Optional LED light strips with cold or warm light set additional accents and can be integrated into the bar handle: they also impress with their long life and low energy consumption.

heroal Item Number	LED Light Strip	Light Colour	LED/m	Colour temperature	Power / Protection
19926 00 00	LED light strip, warm	Warm white	120	3,000 K	12 V / IP65
19927 00 00	LED light strip, cold	Neutral white	120	4,000 K	12 V / IP65

## Locks and Hinge Fittings

Extremely Functional and Secure – Fitting Technology



### heroal DF Fitting Technology

House and entrance doors generally remain in buildings for decades: flexible, adaptable fitness for purpose and looks are therefore of particular significance. heroal DF fitting technology follows the universal design approach, ensuring individual adaptability to user needs at any time.



### Fingerprint

heroal door fittings offer intuitive handling and easy usability. They are compatible with the latest technologies, for example Bluetooth and keyless entry, further enhancing convenience. Keyless entry not only includes door opening using an app; fingerprint access solutions can also be integrated.



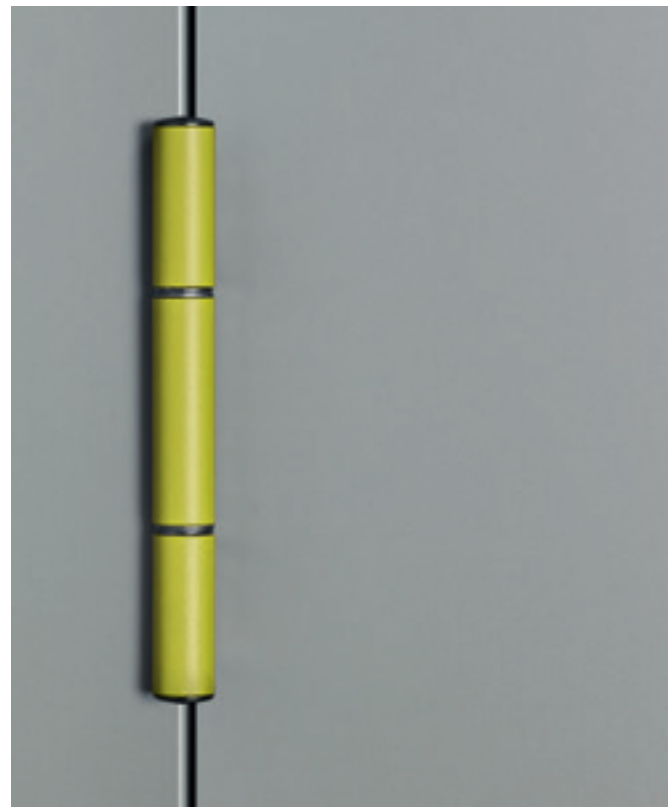
# Hinge Coating

Le Corbusier Colours – Down to the Detail



Hinges can also be coated in Le Corbusier colours: When using the same shades, optimally coordinated authentic colours are guaranteed for the casement, internal panel and hinges. Simply choose the right colour!

heroal Item Number	Designation
13401	2-part mounted door hinge, flush
13413	2-part mounted door hinge, protruding
13421	3-part mounted door hinge, flush
13414	3-part mounted door hinge, protruding
11090	3-part roller door hinge, flush
10693	3-part roller door hinge, protruding



# House Door Details

A Genuinely Wide Range of Versions

## Casement and Door Variants

heroal offers heroal Les Couleurs® Le Corbusier house doors in flush or protruding variants. In both versions, the heroal D 72 PF casement profile features a fixed internal backstop instead of a glass strip; the infill panel fixing is reversible.

With respect to the high-quality hinge fitting technology, both roller and mounted hinge variants are available. Moreover, the house doors are equipped with a new, processing-optimised threshold seal, and barrier-free threshold profiles provide easier access.



Flush with a casement installation depth of 72 mm



Protruding with a casement installation depth of 82 mm

## Performance Features

The heroal Les Couleurs® Le Corbusier house door features impressive heroal technology when it comes to burglary protection too: the profile, fitting and infill panel technologies offer burglary protection up to resistance class RC 2 as guaranteed standard. They thus comply precisely with police recommendations for anyone who wants an all-round sense of security.

Alongside certified burglary resistance, the warp-resistant profile compound patented by heroal was also integrated in this house door system. This ensures that all elements can be opened and closed smoothly irrespective of the weather and solar radiation.

## Configuration Options and Design

All heroal door systems offer diverse configuration options. Whether with surrounding casement frames, with bases or with single-sided casement-enclosing infill panels – with heroal, a wide range of design options can be created.

heroal enables entire building projects to become pieces of Le Corbusier artwork: in addition to doors, the modular system allows windows, lifting/sliding doors, curtain walls, roller shutters, sun protection and roller doors to be executed in harmonious colours. High-quality heroal coating is, of course, used everywhere outside.

<p>0.87</p> <p>Heat insulation (<math>U_g</math> in <math>W/m^2K</math>)</p>	<p>4</p> <p>Air permeability</p>	<p>9A</p> <p>Tightness against driving rain</p>	<p>C4</p> <p>Wind load resistance</p>	<p>RC 2</p> <p>Burglary resistance</p>	<p>4</p> <p>Shock resistance</p>
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# Make a Move – with Le Corbusier

The heroal Service for Processors



heroal is happy to support processors with the marketing of these architecturally high-quality house doors in the Le Corbusier design – through extensive partner marketing measures: in this context, heroal not only provides customisable marketing materials such as brochures or heroal colour charts. In the online tool heroal Communicator, further information such as technical details, test documents, CAD data and much more can also be found in the twinkling of an eye.

### New Now: the heroal Online Configurator

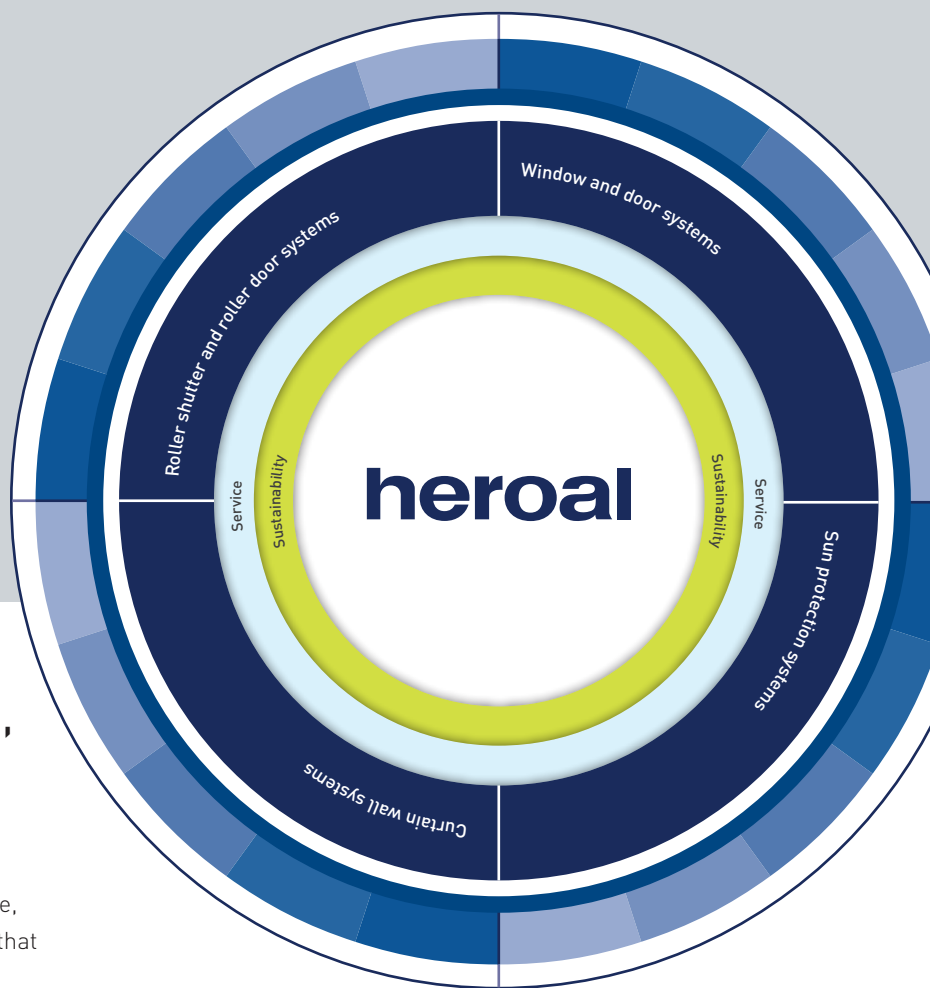
Whether it's a question of the construction form, the direction in which the door opens, the Le Corbusier colours or fittings details: with the new heroal online configurator, every heroal Les Couleurs® Le Corbusier house door can be systematically and specifically put together – test out the configurator directly: [www.heroal.de/haustuerkonfigurator](http://www.heroal.de/haustuerkonfigurator) or request all information to integrate it into your website: [marketing@heroal.de](mailto:marketing@heroal.de).

It goes without saying that personal heroal contacts and the heroal sales team are also available to answer additional questions. By the way, heroal can also offer another highlight: All required components for the assembly of the heroal Les Couleurs® Le Corbusier door will be with you in two weeks!



# heroal – the Aluminium Systems Supplier

As one of the leading aluminium system suppliers, heroal develops and produces optimally coordinated systems for windows, doors, curtain walls, roller shutters, roller doors and sun protection, as well as folding and sliding shutters, insect screens, terrace roofs and carports. Thanks to minimum energy consumption in manufacturing and maximum energy conservation while in use, heroal system solutions make a decisive contribution towards sustainable building, while also offering highly economical processing and increasing the value of buildings.



## Innovation, Service, Design, Sustainability

The heroal brand stands for system solutions that combine practical innovations, industry-leading service, comprehensive sustainability and high-quality design that can be integrated into any architectural concept.

Roller Shutters | Sun Protection | Roller Doors | Windows | Doors | Curtain walls | Service

**heroal – Johann Henkenjohann GmbH & Co. KG**

Österwieher Str. 80 | 33415 Verl (Germany) | Tel. +49 5246 507-0 | Fax +49 5246 507-222 | [www.heroal.de](http://www.heroal.de)