



heroal Les Couleurs® Le Corbusier® Door
heroal D 72



GERMAN
DESIGN
AWARD
WINNER
2020

heroal
SIMPLY BETTER. DESIGNED.



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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

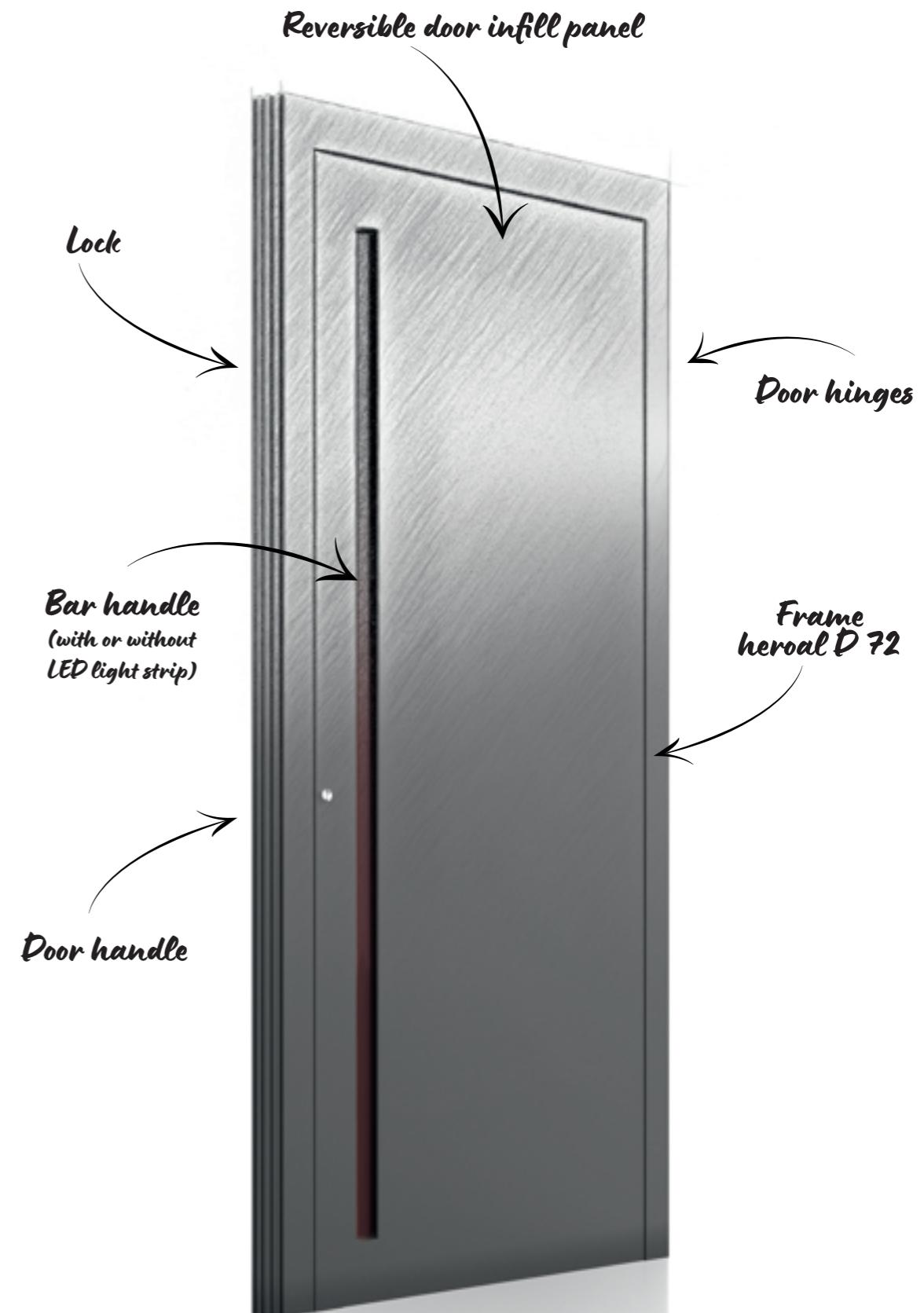
Over the following pages you will get an insight into the approach to colour design taken by the architect Le Corbusier and an overview of the opportunities offered by the new heroal Les Couleurs® Le Corbusier® house door infill panel. In addition, we present selected options available with the door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

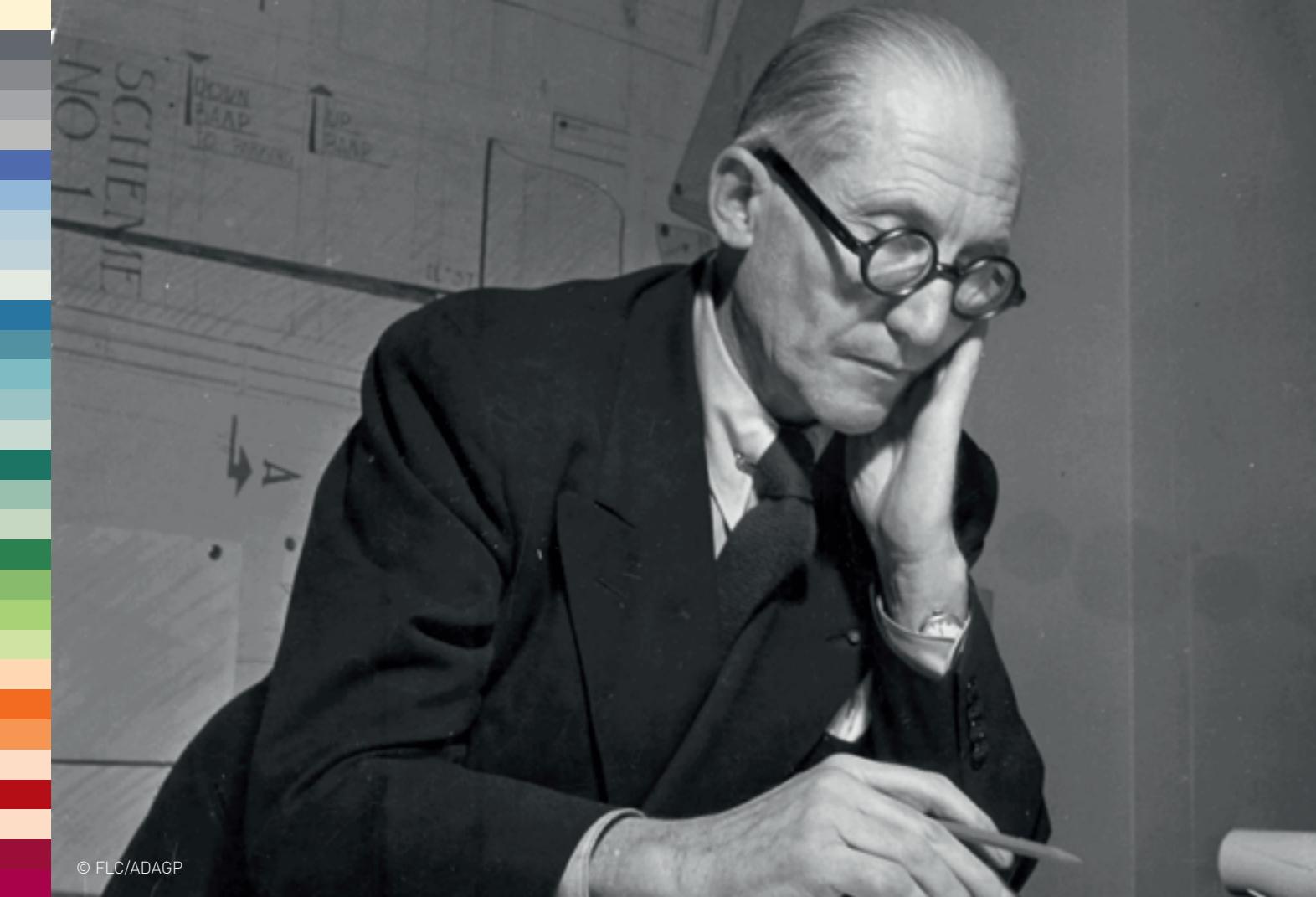
Take advantage of the potential offered to you by this architecturally high-quality house door.

We look forward to shared success!

Kai Luszczyk

A handwritten signature in black ink, appearing to read 'Kai Luszczyk'.





© 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)

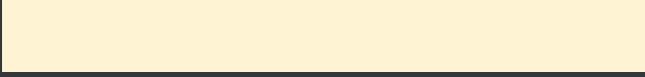
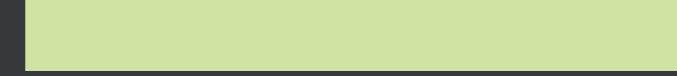
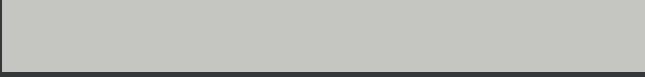
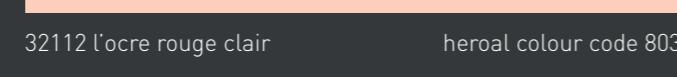
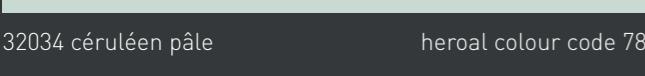
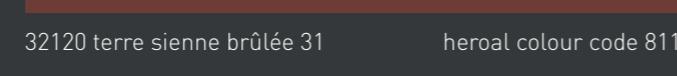
Les Couleurs®
Le Corbusier



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

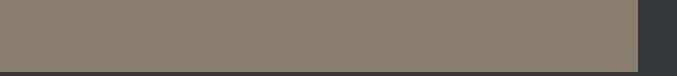
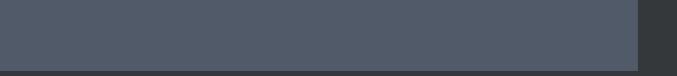
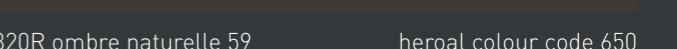
Colour Overview

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 céruleen vif	heroal colour code 778		32110 l'ocre rouge	heroal colour code 801
	32032 céruleen moyen	heroal colour code 780		32111 l'ocre rouge moyen	heroal colour code 802
	32033 céruleen clair	heroal colour code 781		32112 l'ocre rouge clair	heroal colour code 803
	32034 céruleen 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
	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 céruleen 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 céruleen 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	43200 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

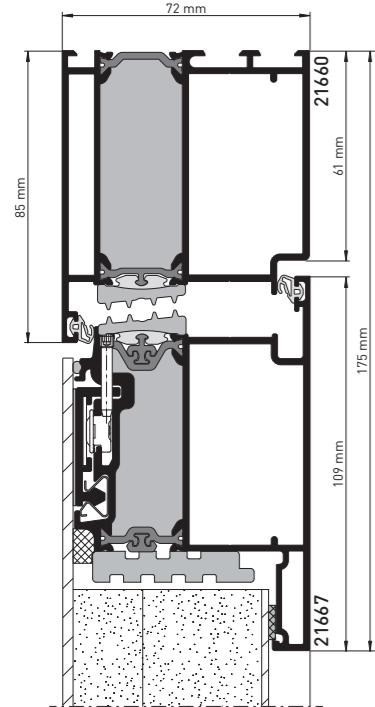
heroal Les Couleurs® Le Corbusier® house doors achieve outstanding thermal and soundproofing values through the combination of frame profile, casement profile and bar handle. This is ensured by the insulating core made of PU foam with an apparent density of 60 kg/m³. With a door size of 1,230×2,180 mm and an infill panel thickness of 60 mm, a U_d value of 0.91 W/m²K is achieved; with an infill panel thickness of 70 mm, a U_d value of 0.87 W/m²K 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.

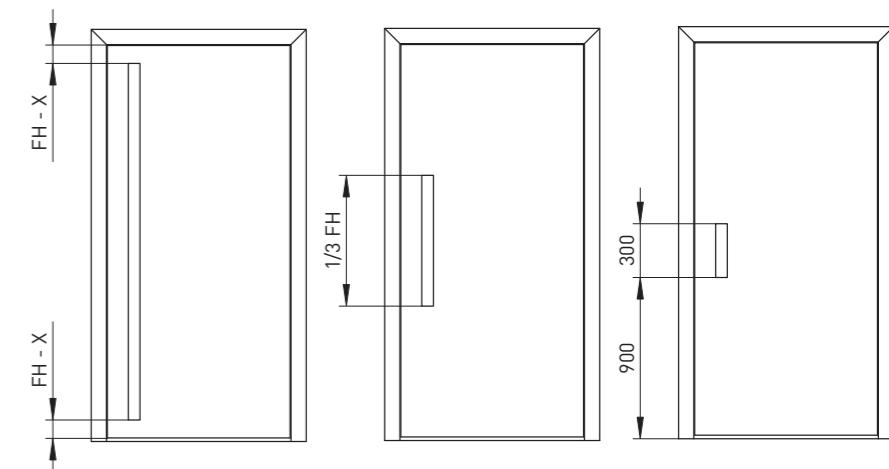
heroal Item Number	Designation	Contents
19924 00 00	Accessory set for reversible infill panel fixing	<ul style="list-style-type: none"> • Securing pins • Holding brackets • Compriband • Sealing cord • Preformed strip



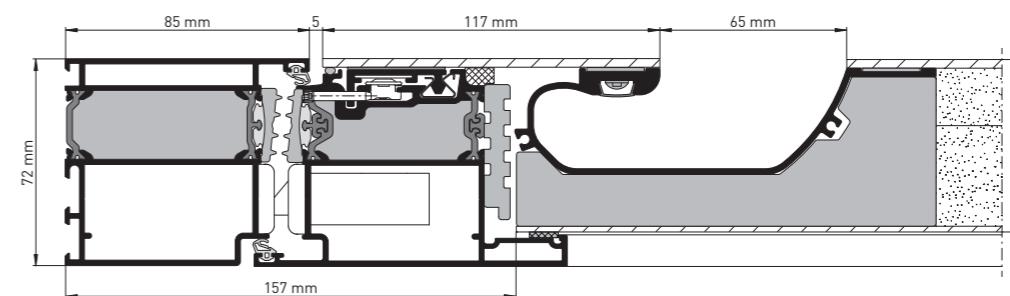
Bar Handles on the heroal Les Couleurs® Le Corbusier® House Door Infill Panel

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.

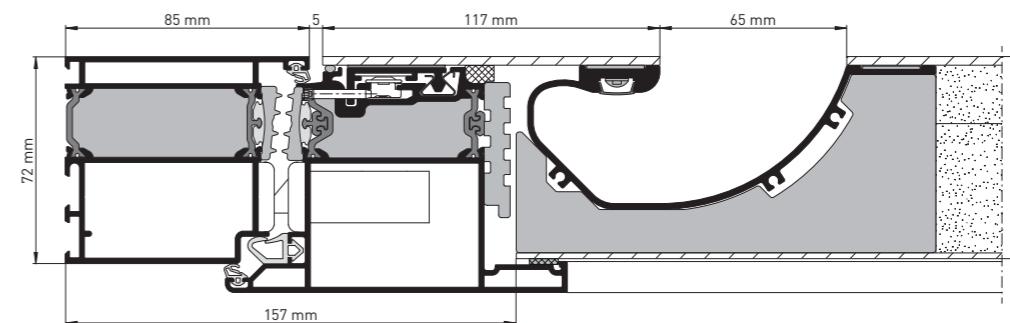
The bar handle is available in three lengths with or without LED light strips.



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.

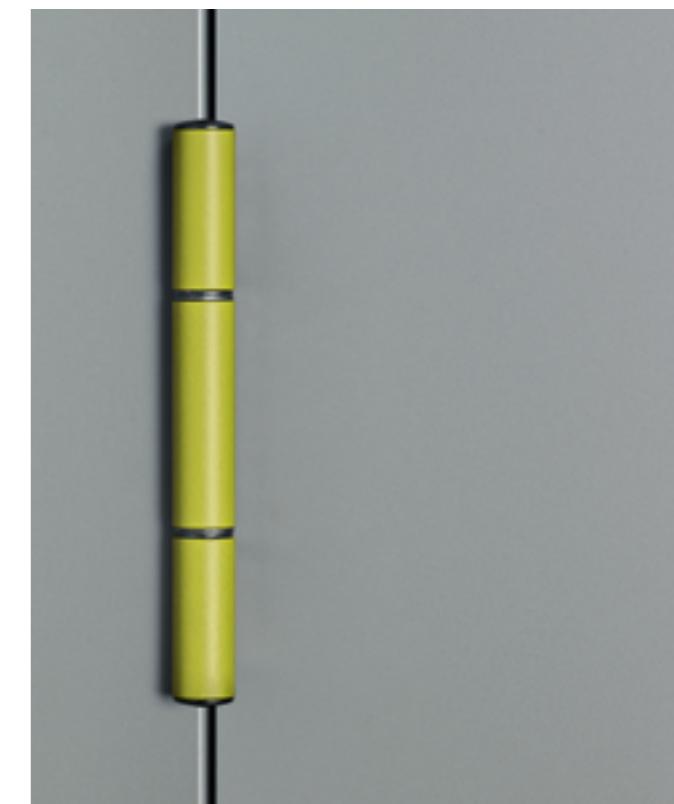
Hinge Coating

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.



Flush with a casement installation depth of 72 mm

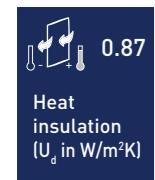


Protruding with a casement installation depth of 82 mm

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.



Heat insulation (U_d in W/m^2K)



Air permeability



Tightness against driving rain



Wind load resistance



Burglary resistance



Shock resistance

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 or request all information to integrate it into your website: 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!



Photo credits:
Page 20: Fensterbau Philippi



simply better spaces for life

As a manufacturer of aluminium system solutions for roller shutters, sun protection, roller doors, windows, doors, sliding doors, curtain walls and patio roofs, heroal is an international market leader, supporting high-quality residential and commercial construction projects worldwide. heroal products are developed and manufactured in Germany and set themselves apart with their premium quality and exceptional performance features. As a result, the innovative system solutions contribute to greater sustainability, security, comfort and architectural freedom for both current and future building projects and impress with simple and efficient planning and fabrication by heroal specialist partners.

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