DECEUNINCK ALUMINIUM

A unique range of aluminium systems



deceuninck

ALUMINIUM WINDOWS & DOORS

DECEUNINCK ALUMINIUM SYSTEMS

A UNIQUE RANGE BASED ON THE INNOVATIVE SO EASY TECHNOLOGY

Deceuninck Aluminium presents a groundbreaking range of products designed to meet the highest standards of efficiency, user-friendliness, technical performance, and design flexibility. Central to our offering is the innovative, patented So Easy technology, which revolutionizes the way aluminium window systems are developed and installed.

Our Decalu range is distinguished by its exceptional design possibilities, which not only enhance aesthetic appeal but also streamline warehouse and production processes.

Complementing the Decalu range is our new Entra series, which stands out for its remarkable adaptability. The Entra series is engineered to seamlessly integrate into any project, accommodating specific technical parameters and project requirements.

In addition to these primary product lines, our specialised solutions comprehend fire resistant joinery, an internal doors and partitioning system, panel doors, facade systems and much more.

deceuninck

Vrasene (BE)

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Proven top quality

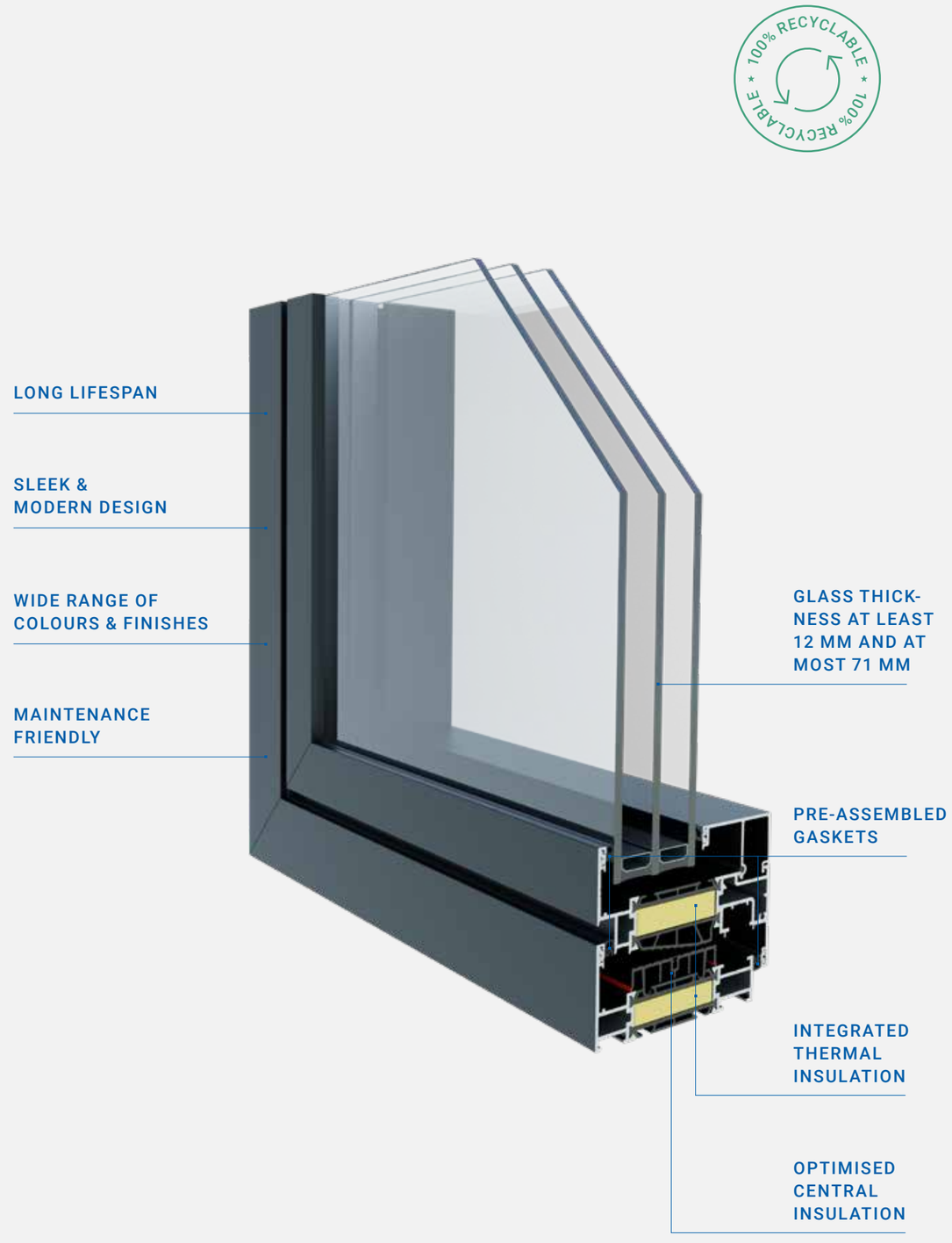
Decalu, a comprehensive range of high-performing windows and doors

BASED ON THE INNOVATIVE SO EASY TECHNOLOGY

Deceuninck's Decalu line is unique in the market thanks to the integration of techniques also used in the production of our PVC profiles.

The drainage is hidden in the frame, which results in an aesthetic upgrade. Gaskets pre-inserted in the profiles significantly make fabrication and installation easier and faster.

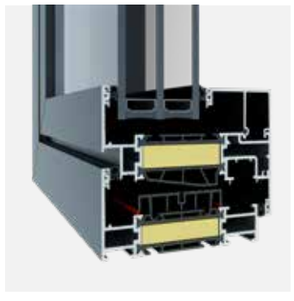
The number of required elements to make a Decalu window was reduced to 4-5 compared to 10-14 needed in other aluminium window systems. This innovation cuts down your required inventory and shortens your production time up to 50%.



Decalu windows

DECALU 88
STANDARD

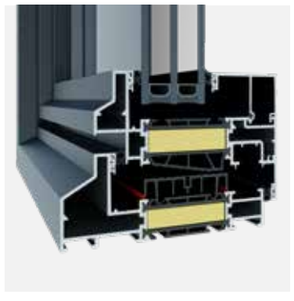




A classic flush exterior with a modern and timeless look and feel. Its unpretentious design will highlight the design features of your construction project. The ultra slim profile is ideal for both contemporary projects and renovations.

DECALU 110
STEEL

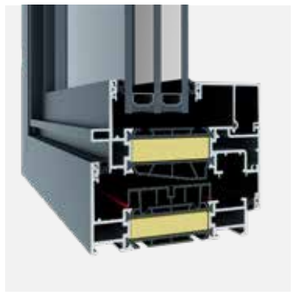




This design emulates the 'steel look' typical of the architecture of historic industrial buildings. Its outspoken configuration will add originality and character to a variety of projects but especially in modern lofts or offices.

DECALU 88
NEW STEEL





An innovative version of the steel look for a modernist and architecturally refined design. Our New Steel combines extreme slim visual lines while maintaining excellent thermal parameters.

DECALU 88
HIDDEN

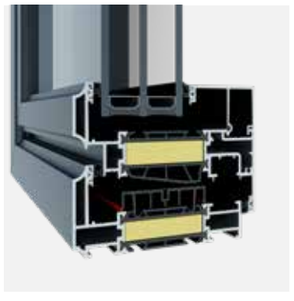




In this design, the frame profile completely conceals the sash. From the outside there is no distinction between them. Hidden is the best solution for ultra-modern and minimalist construction projects.

DECALU 94
RETRO

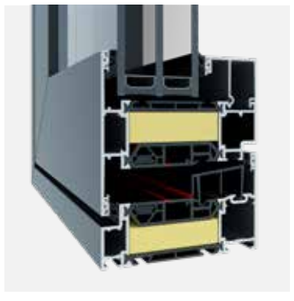




Retro-look aluminium windows combine the sleek, modern qualities of aluminium with vintage design elements. The rustic geometry of Decalu Retro is ideal for homes in a traditional, rural or rectory style.

DECALU 88
FLUSH CASEMENT





Our outward opening window has distinct sightlines and a flush finish between the sash and frame. With its patented thermal break, the Flush Casement redefines the standard for energy efficiency in aluminium windows, achieving U-values of as low as 0.8 W/m²K triple-glazed.

Doors & sliding doors

CONTEMPORARY DESIGN, MINIMALIST SIGHTLINES & OUTSTANDING PERFORMANCE

Our door range has been carefully designed and engineered to deliver maximum design flexibility from the door sizes we can accommodate, to the understated and elegant design options we can offer.

With a choice of bi-folding, lift-and-slide, French, single and entrance door options, all available in a wide range of colours and finishes, whatever the project, we can help you deliver it.



DECALU 88 DOORS

Our door system is based on patented anti-bimetal technology. Other possible features include: two visual lines-flat, extremely slim and industrial steel, possible integration of LED backlight, a wide range of panel solutions and invisible hinges.



DECALU 163 SLIDE

Decalu 163 Slide is a lift and slide system available in mono-, duo- and triple-rail versions. Our slim Decalu profiles provide maximum outdoor visibility by enabling the largest possible glazed surfaces.



DECALU 88 FOLDING DOORS

Our folding doors were intelligently designed to save space and ensure maximum light incidence without compromising on energy efficiency. An ideal solution to merge in- and outdoor spaces.



DECALU 88 INVISIFOLD

The Decalu 88 Invisifold system is a revolutionary solution for transforming standard aluminium door/window system into versatile sliding, folding, or swing systems. Thanks to their innovative folding mechanism, these architectural wonders expand your living spaces, permitting free airflow and abundant natural light to fill the room.



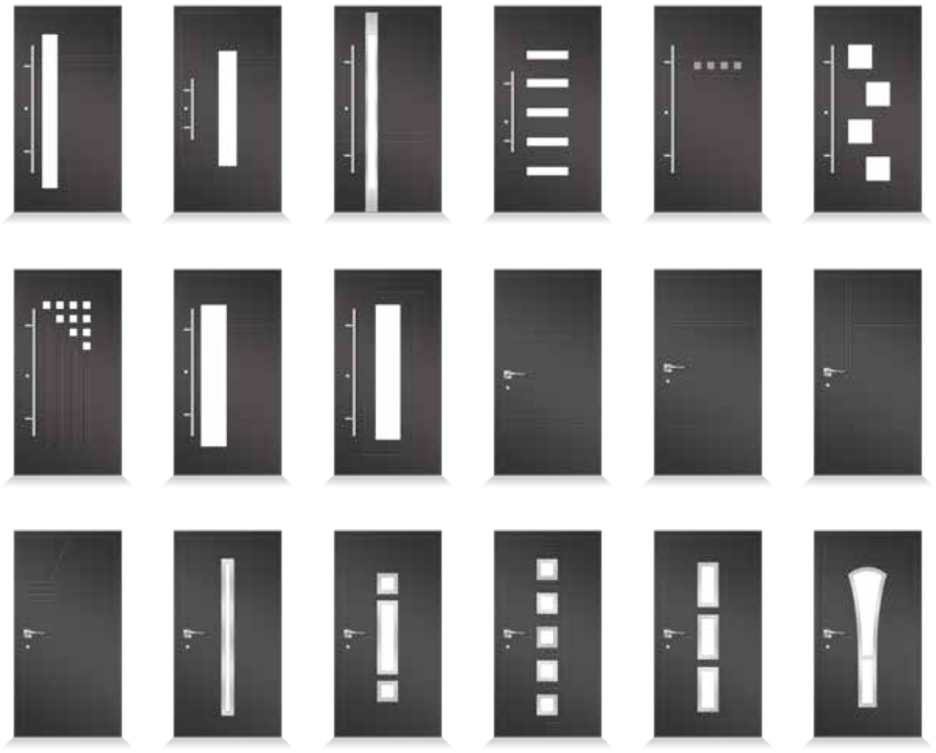
ZENOVA 163 PULL & SLIDE

The Zenova 163 Pull & Slide system combines sleek design with cutting-edge functionality, offering a mono-rail sliding solution perfect for creating large glass panels that beautifully illuminate interior spaces. Thanks to its special sealing system and pull & slide mechanism, the Zenova 163 guarantees exceptional watertightness and wind resistance

Panel doors

INFINITE DESIGN OPTIONS

Decalu Panel Doors, equipped with SO EASY technology, feature standard anti-bimetal compensated thermal break that significantly minimize structural deformation caused by seasonal temperature fluctuations. This advanced system not only includes the patented thermal strips assembly but also offers numerous advantages over other market options. The robust fastening of locks and fittings within the thermal space ensures exceptional aesthetic quality. The doors can be enhanced with optional LED backlighting and hidden hinges, adding both functionality and elegance. Decalu Panel Doors are available in a diverse range of styles, from classic to industrial, catering to various design preferences.





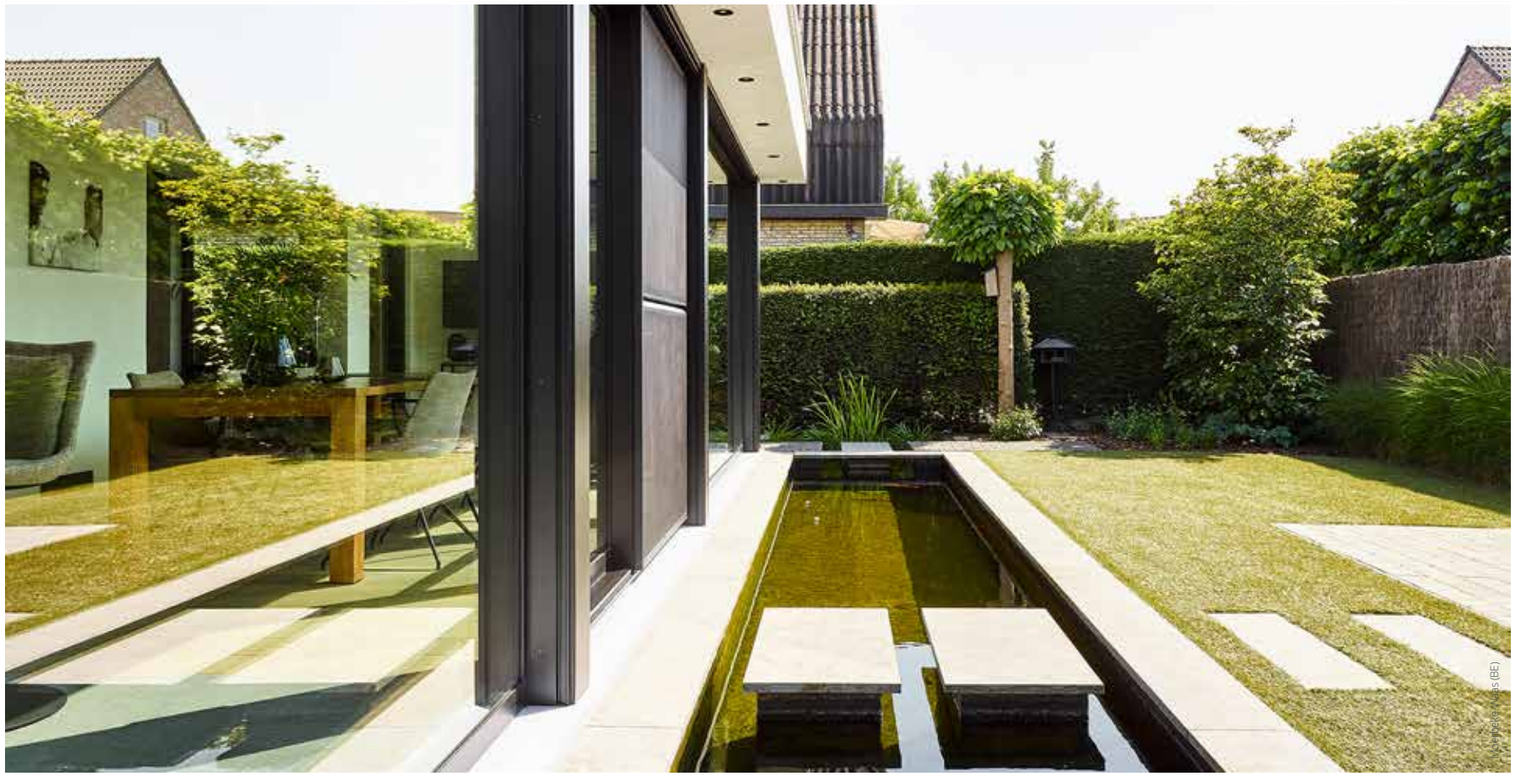




Zanhoven (BE)



Komrijk (BE)



Maldegem (BE)

Decalu & Elegant

A PERFECT MATCH OF DESIGN AND PERFORMANCE

Deceuninck strongly believes that aluminium and PVC have a complementary role. We therefore engineered our Elegant PVC and Decalu aluminium profile systems to work as one.

HOW?

By combining best of both
While our Elegant PVC range was designed specifically to meet the aesthetic of an aluminium window. Our Decalu line inherited some unique features from PVC windows including a very easy to install glazing bead, integrated gaskets and hidden drainage.

By coordinating the technical details
Decalu and Elegant received an identical hardware groove, which reduces complexity for both the manufacturer and the installer, as many hardware components are the same.

With Deceuninck as your system supplier, you can take advantage of the greatest strengths of both materials while ensuring a uniform, cohesive aesthetic.

Entra, flexibility for every project

CRAFTED FOR MODERN ARCHITECTURAL EXCELLENCE

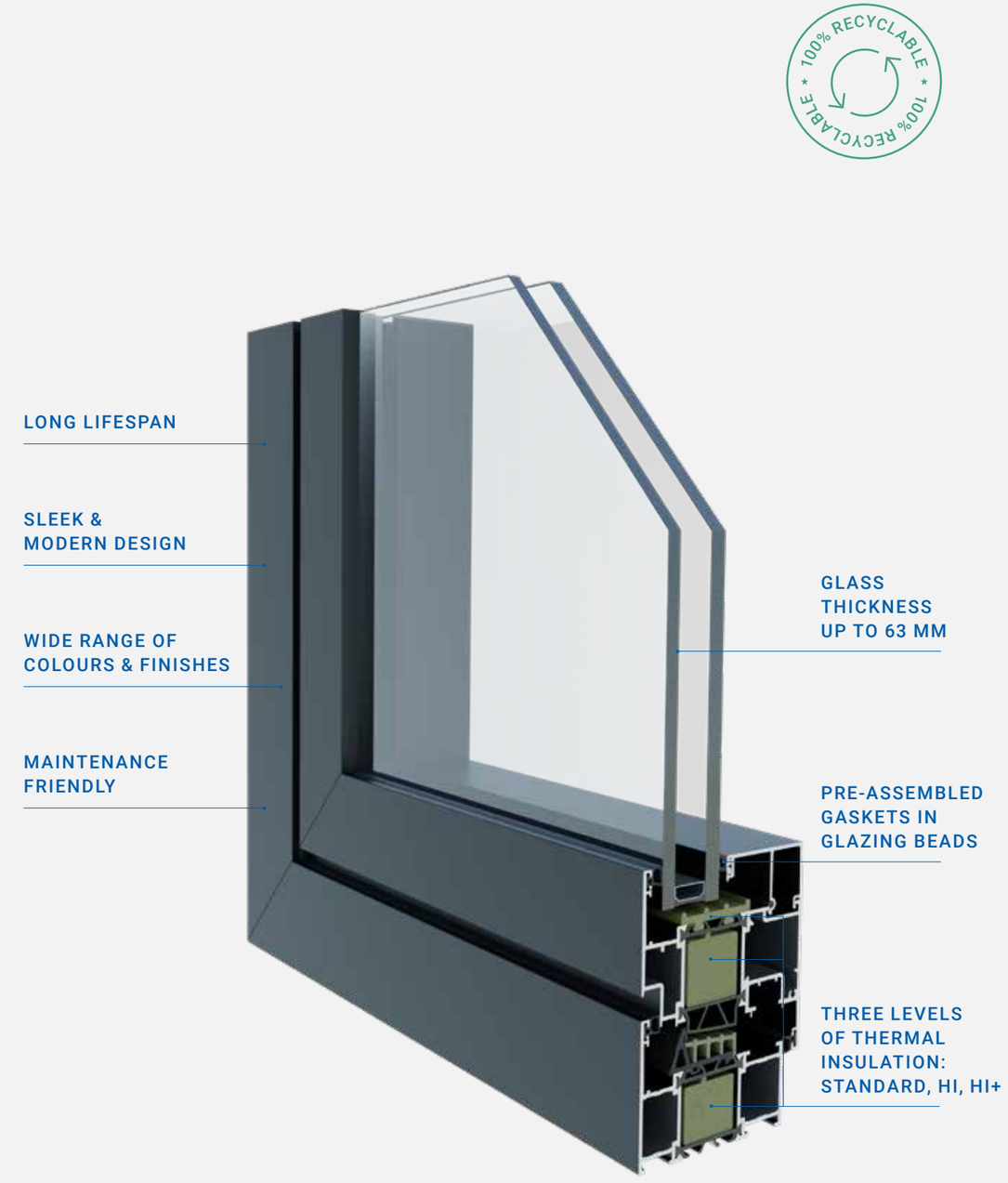
Entra is a direct response to contemporary architectural trends, seamlessly blending high-end design with the generous use of natural light. This versatile system offers you the freedom to select the ideal thermal insulation to suit your specific needs, all while maintaining its signature aesthetic. Competitively priced, Entra mirrors the sleek and refined appearance of the Decalu window range, offering a sophisticated solution without compromise.

Thermal insulation

Entra offers three levels of thermal insulation: Standard, Hi, and Hi+, making it an ideal solution for energy-efficient buildings. Its exceptional air permeability, rated at Class 4, underscores the superior airtightness of windows crafted with Entra profiles. In addition, its watertightness and wind-load resistance, certified at the highest C5 rating, provide unparalleled protection against even the harshest weather conditions, ensuring durability and peace of mind.

Design options

Entra offers two exquisite design options—Standard and Steel—allowing for seamless adaptation to any construction project. The compact installation depth of 73 mm in the Standard design makes Entra an exceptional choice for a wide range of renovation and retrofit applications. With profiles featuring pre-assembled gaskets in the glazing beads, Entra ensures efficiency at every stage. Additionally, many fittings and accessories from the Decalu range are compatible with Entra, optimizing both time and storage while accelerating the assembly process.



Entra windows

ENTRA 73
STANDARD





With its sleek, geometric surfaces and smooth finish, the Entra 73 Standard model is designed for mild climates where insulation is secondary but subtle elegance is paramount.

ENTRA 73
STANDARD HI

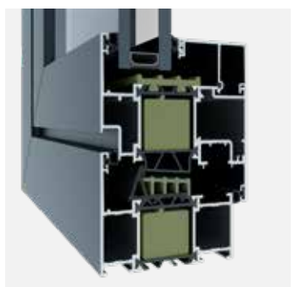




The Entra 73 Standard Hi builds upon the understated beauty of the standard model, offering enhanced insulation to maintain a comfortable environment by effectively managing both heat and cold.

ENTRA 73
STANDARD HI+

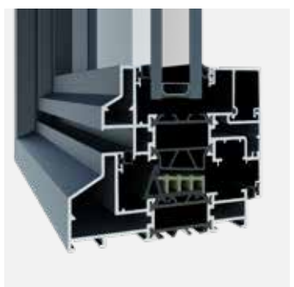




For superior protection from the elements, the Entra 73 Standard Hi+ delivers exceptional insulation while preserving the sophisticated design and versatility of the entire range.

ENTRA 95
STEEL

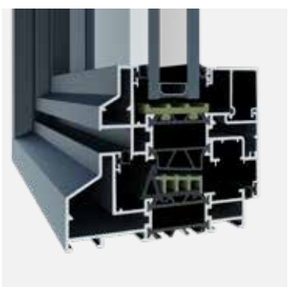




Tailored for warm or mild climates, the Entra 95 Steel model offers all the benefits of the Entra Standard range, elevated by a refined steel finish that brings an extra layer of character to the design.

ENTRA 95
STEEL HI

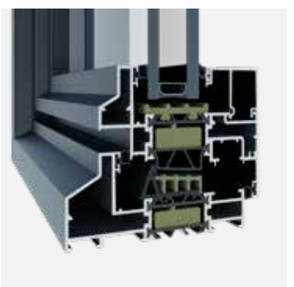




The Entra 95 Steel Hi combines the striking aesthetics of the standard Steel model with enhanced insulation, providing both beauty and performance to shield against changing weather.

ENTRA 95
STEEL HI+





When maximum protection from the elements is essential, the Entra 95 Steel Hi+ delivers unmatched insulation while maintaining the elegant design of the Steel and Hi models, ensuring your space is both secure and stylish.

Encasa, interior doors & partitioning system

EMULATING THE APPEARANCE
OF HERITAGE STEEL DOORS

With ultra-slim sightlines of only 29 mm, Encasa combines traditional detailing with contemporary urban and loft-house design trends.

Able to handle maximum heights of 2500 mm and sash weights of up to 150 kg, this system delivers a multitude of design options. From single or French doors to a pivot, sliding or pocket door. Possible finishes are the soft-close mechanism and the addition of internal partitioning.



ENCASA 42
HINGED DOOR





With ultra slim equal 29 mm sightlines the Encasa 42 Hinged Door can be manufactured with sash sizes up to 2500 mm high by 1200 mm wide. It's available with a fully integrated traditional steel-look lock block and plate which also double as a kick plate.

ENCASA 42
SLIDING DOOR





The Encasa 42 Sliding Door can be manufactured up to 2500 mm high by 1200 mm wide panes or a maximum individual sash weight of up to 100 kg. In addition to standard closing system, a soft-close mechanism is also available.

ENCASA 42
PIVOT DOOR

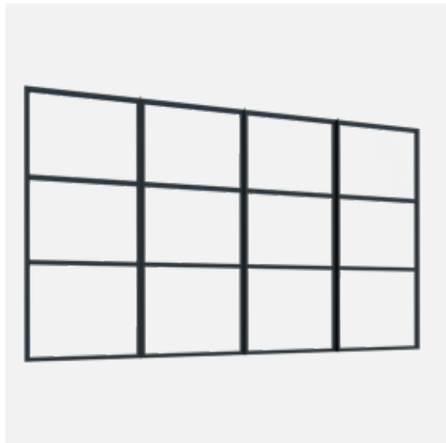




The Encasa 42 Pivot is a high-quality statement pivot door system. It can be manufactured to 2500 mm high by 1250 mm or 2250 mm wide, depending on the applied hinge. The system can accommodate sash weights of up to 150 kg and also features the ultra-slim 29 mm sightlines.

ENCASA 42
FIX





With limitless interior framing and partitioning options Encasa 42 has 29 mm sightlines and a flush finish between vertical struts and structural transoms. It allows you to create any combination of steel-look fixed lights, side-lights, and top-lights.

Our specialty systems

CUTTING-EDGE TECHNOLOGY TO
COMPLETE OUR RANGE

WESTA 82 FP



FIREPROOF DOORS

Introducing the Westa 82 Fire Rated Doors – the epitome of safety, durability, and ease of prefabrication. Our advanced fire protection system has excelled in rigorous fire and durability tests, demonstrating superior performance across the board.

The Westa 82 system features innovative asymmetric glass assembly, which seamlessly integrates with other Decalu systems. This design allows for the use of advanced fire-resistant two-chamber glass, enhancing the thermal efficiency of the entire structure to unprecedented levels.

Installation is streamlined and hassle-free with our collision-free glazing clips and glass fixing elements. The Westa FP system boasts a quicker prefabrication time compared to competing systems, making it the ideal choice for efficient and reliable fire protection solutions.

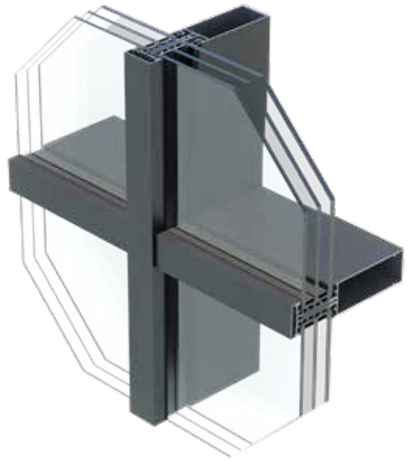
DECALU BALUSTRADES



COMPLIMENTARY SYSTEMS

The Decalu Balustrade system presents a sophisticated and durable solution for enhancing safety around windows. Engineered to prevent falls, these balustrades can be seamlessly integrated with aluminium, PVC, or wooden window profiles, and are suitable for both single and double-leaf constructions. Ideal for a diverse range of applications—from residential apartments to office environments and public spaces—the system meets the utilization categories A, B, and C1-C4 as specified by EN 1991-1-1 standards

DECALU F50 FACADE



DECALU F50 FACADE SSG

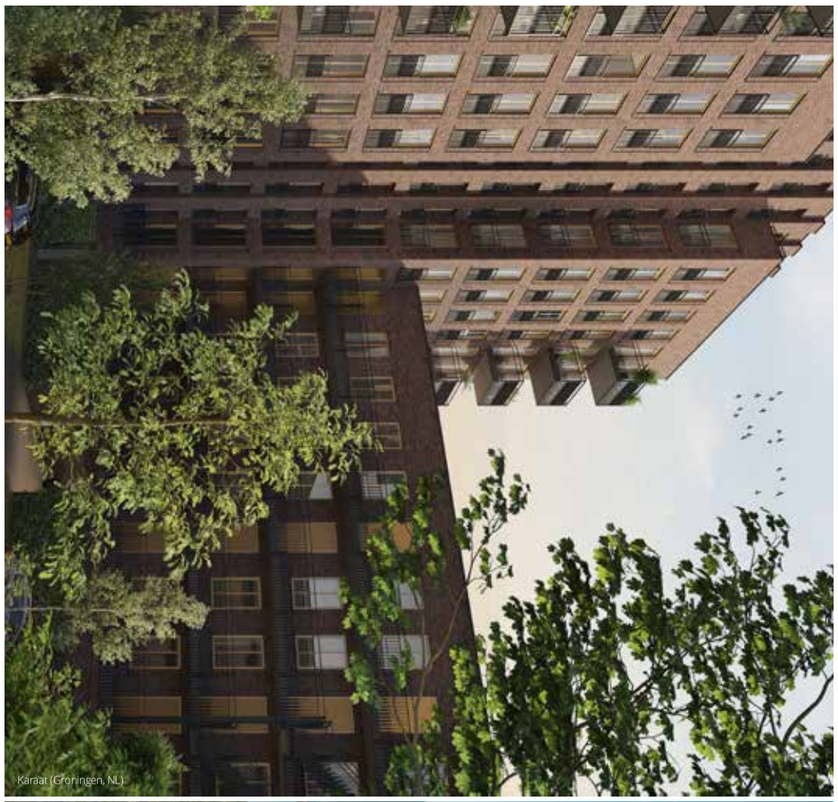


MULLION AND TRANSOM WALL SYSTEMS

Our Decalu Facade systems F50 and F50 Semi-Structural are dedicated to commercial, office and public utility facilities. They are compatible with numerous ventilation and Brise Soleil systems and of course with all Decalu windows and doors.

Our dedicated installation system to mount window panes to transoms and mullions allows to obtain a smooth glass wall.

Our facade solution comes with an excellent insulation performance of merely 0.7 W/m²K for the F50 version and a Uf of 0.6 W/m²K for the F50 SSG.


Karaat (Groningen, NL)


Nautic Park Darłówko (PL)


Tour & Taxis (BE)


Belgica - De Zaat (Tamise, BE)

Design without limits

COLOUR: THE HEARTBEAT OF YOUR DESIGN

Colour is crucial in defining the atmosphere and appearance of any space. At Deceuninck, we believe in the power of colour to transform and elevate design. Our commitment to versatile, high-quality finishes means we offer a spectrum of choices to suit every style from modern chic to classic elegance.

Explore our curated selection of colours and finishes and let your creativity flourish. Discover our extensive range of colours and finishes on the following page, and see how Deceuninck can help you achieve your ideal design.

Axalta Colour Selection for Aluminium Profiles

WE TAKE PRIDE IN OUR ABILITY TO CREATE ANY COLOUR TO MEET YOUR SPECIFIC REQUIREMENTS

For those seeking inspiration or wishing to stay ahead of design trends, we offer a carefully curated selection of our most popular colours for aluminium profiles. Our exclusive palette features 14 unique shades, each available in various coatings, providing a total of 21 vibrant and sophisticated options.

We have expanded our extensive range of powder colours with a diverse array of profile finishes to suit every aesthetic preference. Choose from subtle matte, striking gloss, or the refined elegance of metallic finishes. We also offer textured coatings, anodized profiles, and wood-effect finishes, ensuring that every design vision is flawlessly realized.



Bel-Ford (Roeselare, BE)

COLOUR SELECTION

REF. RAL9016ST-AX

AE03059901620 - ALESTA AP RAL 9016 TRAFFIC WHITE FINE TEXTURE

REF. RAL9016M-AX

AE300C9901620 - TEODUR AP RAL 9016 TRAFFIC WHITE MATT SMOOTH

REF. RAL9006SM-AX

AE03257900620 - ALESTA AP ± RAL 9006 BARITON 1 FINE TEXTURE BONDED METALLIC

REF. RAL9007SM-AX

AE03257900720 - ALESTA AP ± RAL 9007 BARITON 2 FINE TEXTURE BONDED METALLIC

REF. IC-C1103SM-AX

SD031C1103520 ALESTA SD CRESCENT GLOW FINE TEXTURE BONDED METALLIC

REF. RAL7039M-AX

AE30017703920 - TEODUR AP RAL 7039 QUARTZ GREY MATT SMOOTH

REF. DB703SM-AX

AE03107070320 ALESTA AP DB 703 GREY FINE TEXTURE BONDED METALLIC

REF. RAL7039ST-AX

AE03057703920 - ALESTA AP RAL 7039 QUARTZ GREY FINE TEXTURE

REF. IC-C5029SM-AX

SD031C5029020 ALESTA SD BLUE WORKSHOP FINE TEXTURE BONDED METALLIC

REF. IC-C8023ST-AX

SD034C8023020 ALESTA SD TIMELESS RUST FINE TEXTURE SPECKLED

REF. RAL1035SM-AX

AE03211136121 - ALESTA AP RAL 1035 PEARL BEIGE FINE TEXTURE BONDED METALLIC

REF. IC-C8039MM-AX

SD301C8039020 ALESTA SD NOBLE BRONZE MATT SMOOTH BONDED METALLIC

REF. RAL7016ST-AX

AE03057701620 - ALESTA AP RAL 7016 ANTHRACITE GREY FINE TEXTURE

REF. RAL7016SM-AX-K2

SD031C7701620 - ALESTA SD 7016 NIGHT GREY FINE TEXTURE BONDED METALLIC

REF. RAL7021ST-AX

AE03057702120 - ALESTA AP RAL 7021 BLACK GREY FINE TEXTURE

REF. RAL7016M-AX-2

AE30017701620 - TEODUR AP RAL 7016 ANTHRACITE GREY MATT SMOOTH

REF. RAL7021M-AX

AE30017702120 - TEODUR AP RAL 7021 BLACK GREY MATT SMOOTH

REF. IC-C6043SM-AX

SD031C6043020 ALESTA SD MARBLE GREEN FINE TEXTURE BONDED METALLIC

REF. IC-C49005SM-AX

SD031C4900520 ALESTA SD CAST IRON FINE TEXTURE BONDED METALLIC

REF. RAL9005ST-AX

AE03054900520 - ALESTA AP RAL 9005 JET BLACK FINE TEXTURE

REF. RAL9005M-AX

AE30014900520 - TEODUR AP RAL 9005 JET BLACK MATT SMOOTH

Window & door systems

EXCEPTIONAL DESIGN, ENDLESS POSSIBILITIES

Our aluminium systems combine modern design with limitless possibilities, offering solutions that enhance any space. With a focus on simplicity and efficiency, our systems seamlessly blend style with practicality, creating a perfect connection between indoor and outdoor living. Discover more about our entire range on the following pages.

Decalu 88 Standard

A TIMELESS SOLUTION FOR A MULTITUDE OF PROJECTS

A classic flush exterior with a modern and timeless look and feel. Its unpretentious design will highlight the design features of your construction project. The ultra slim profile is ideal for both contemporary projects and renovations.

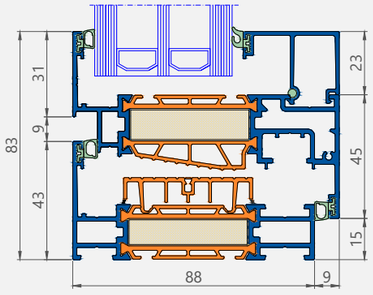
TECHNICAL PERFORMANCE			Decalu 88 Standard
EN ISO 10077-2			Uf from 1.0 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207-PN EN 12207		Class 4
Watertightness	EN 12208		E1650
Wind resistance	EN 12210		Class C5
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		Class 3
Acoustic value	88.2/16/6/16/66.2		EN 20140-3:1999-Rw 47(-1;-2)

TECHNICAL CHARACTERISTICS	Decalu 88 Standard
Frame installation depth	88 mm
Sash installation depth	97 mm
Hardware	16 mm
Rebate height	23 mm
Glazing bead height	23 mm
Possible glass thickness	12–71 mm
Internal visible height of the frame	20 mm, 34 mm, 48 mm, 89 mm
External visible height of the frame	43 mm, 57 mm, 71 mm, 112 mm
External visible height of the transom	66 mm, 80 mm, 94 mm
Exterior	frame and sash profile flush-mounted
Interior	rebated and flush-mounted possible
Central gasket	ABS integrated
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm

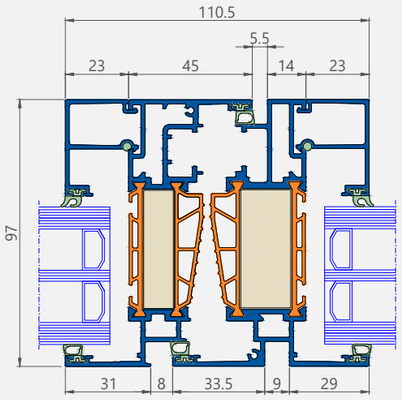
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Decalu 110 Steel

CREATE THE INDUSTRIAL LOFT FEELING

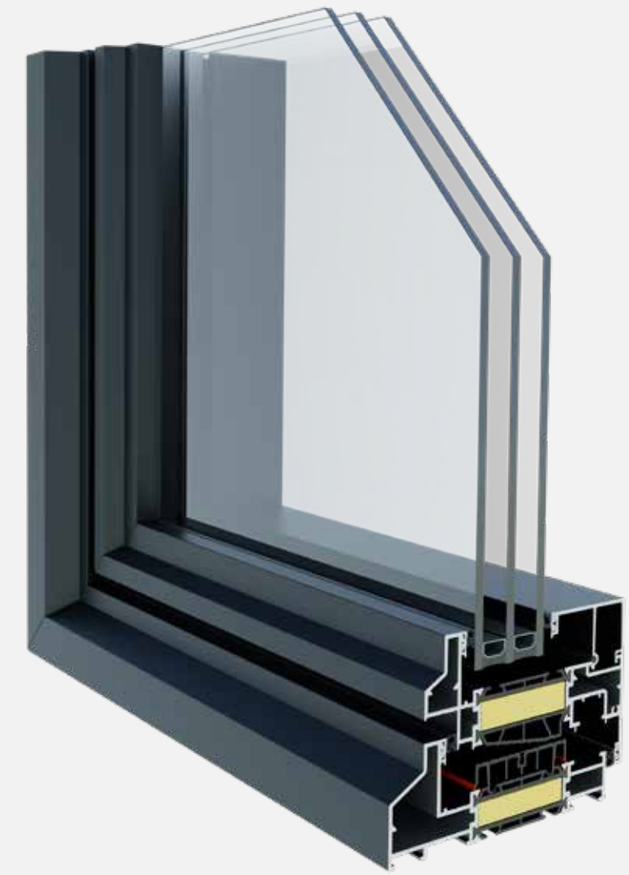
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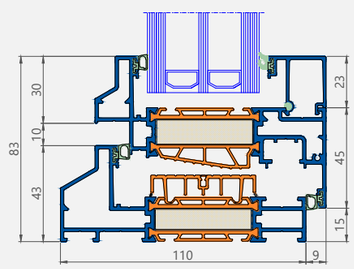
TECHNICAL PERFORMANCE			Decalu 110 Steel
EN ISO 10077-2			Uf from 1.3 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		E1650
Wind resistance	EN 12210		Class C5
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		Class 3
Acoustic value	88.2/16/6/16/66.2		EN 20140-3:1999-Rw 47(-1;-2)

TECHNICAL CHARACTERISTICS	Decalu 110 Steel
Frame installation depth	110 mm
Sash installation depth	103.5 mm
Hardware	16 mm
Rebate height	25 mm
Glazing bead height	23 mm
Possible glass thickness	12–62 mm
Internal visible height of the frame	20 mm, 34 mm
External visible height of the frame	43 mm, 57 mm
External visible height of the transom	66 mm
Exterior	frame and sash profile flush-mounted
Interior	sash profile surface-mounted
Central gasket	ABS integrated
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm

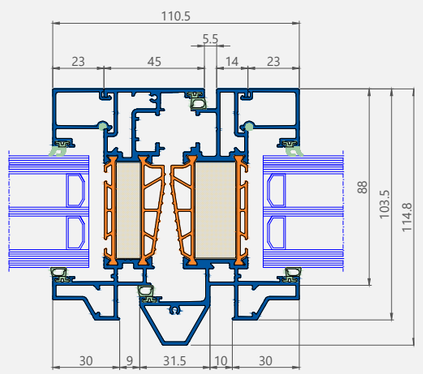
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Decalu 88 New Steel

MINIMALISTIC AND SLEEK

An innovative version of the steel look for a modernist and architecturally refined design. Our New Steel combines extreme slim visual lines while maintaining excellent thermal parameters.

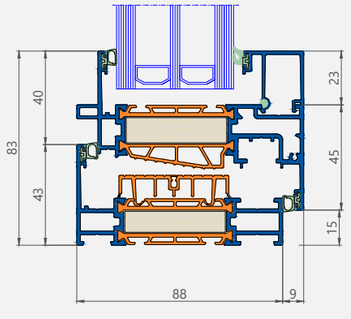
TECHNICAL PERFORMANCE			Decalu 88 New Steel
EN ISO 10077-2			Uf from 1.2 W/m²K
EN ISO 10077-1		Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
		Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		E1650
Wind resistance	EN 12210		Class C5
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		Class 3
Acoustic value	88.2/16/6/16/66.2		EN 20140-3:1999-Rw 47(-1;-2)

TECHNICAL CHARACTERISTICS	Decalu 88 New Steel
Frame installation depth	88 mm
Sash installation depth	97 mm
Hardware	16 mm
Rebate height	25 mm
Glazing bead height	23 mm
Possible glass thickness	12–62 mm
Internal visible height of the frame	20 mm, 34 mm, 48 mm, 89 mm
External visible height of the frame	43 mm, 57 mm, 71 mm, 112 mm
External visible height of the transom	66 mm, 80 mm, 94 mm
Exterior	frame and sash profile flush-mounted
Interior	sash profile surface-mounted
Central gasket	ABS integrated
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm

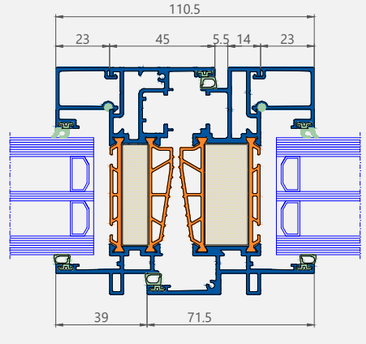
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Decalu 88 Hidden

MINIMALISTIC AESTHETIC WITH CLEAN LINES

A classic flush exterior with a modern and timeless look and feel. Its unpretentious design will highlight the design features of your construction project. The ultra slim profile is ideal for both contemporary projects and renovations.

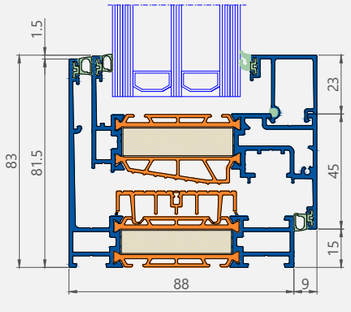
TECHNICAL PERFORMANCE			Decalu 88 Hidden
EN ISO 10077-2			Uf from 1.1 W/m²K
EN ISO 10077-1		Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
		Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		E1650
Wind resistance	EN 12210		Class C5
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		Class 3
Acoustic value	88.2/16/6/16/66.2		EN 20140-3:1999-Rw 47(-1;-2)

TECHNICAL CHARACTERISTICS	Decalu 88 Hidden
Frame installation depth	88 mm
Sash installation depth	88 mm
Hardware	16 mm
Rebate height	25 mm
Glazing bead height	23 mm
Possible glass thickness	12–62 mm
Internal visible height of the frame	20 mm, 34 mm
External visible height of the frame	81.5 mm
External visible height of the transom	104.5 mm, 157 mm
Exterior	flat
Interior	sash profile surface-mounted
Central gasket	ABS integrated
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm

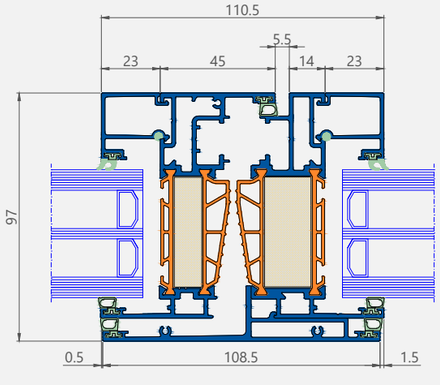
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Decalu 94 Retro

RUSTIC ALTERNATIVE FOR LOW-ENERGY HOMES

Retro-look aluminium windows combine the sleek, modern qualities of aluminium with vintage design elements. The rustic geometry of Decalu Retro is ideal for homes in a traditional, rural or rectory style.

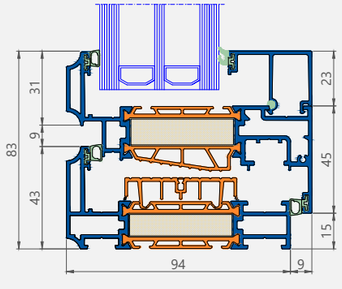
TECHNICAL PERFORMANCE			Decalu 94 Retro
EN ISO 10077-2			Uf from 1.2 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		E1650
Wind resistance	EN 12210		Class C5
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		Class 3
Acoustic value	88.2/16/6/16/66.2		EN 20140-3:1999-Rw 47(-1;-2)

TECHNICAL CHARACTERISTICS	Decalu 94 Retro
Frame installation depth	94 mm
Sash installation depth	103 mm
Hardware	16 mm
Rebate height	25 mm
Glazing bead height	23 mm
Possible glass thickness	12–71 mm
Internal visible height of the frame	20 mm, 34 mm
External visible height of the frame	43 mm, 57 mm
External visible height of the transom	66 mm
Exterior	frame and sash profile flush-mounted
Interior	sash profile surface-mounted
Central gasket	ABS integrated
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm

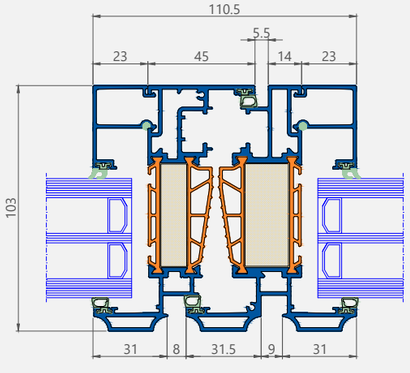
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Decalu 88
Flush Casement

A TIMELESS SOLUTION FOR MODERN PROJECTS

Our outward opening window has distinct sightlines and a flush finish between the sash and frame. With its patented thermal break, the Flush Casement redefines the standard for energy efficiency in aluminium windows, achieving U-values of as low as 0.8 W/m²K triple-glazed. The Decalu Flush Casement Window is fully tested to PAS24 (Security) and manufactured to deliver an enhanced level of performance.

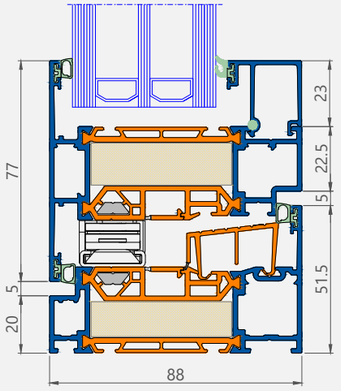
TECHNICAL PERFORMANCE			Decalu 88 Flush Casement
EN ISO 10077-2			Uf from 1.4 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		E1500
Wind resistance	EN 12210		CE2400
Operating forces	EN 13115		Class 1
Acoustic value	TBC		TBC
Security	PAS24:2016 Annex C		PAS24

TECHNICAL CHARACTERISTICS	Decalu 88 Flush Casement
Frame Depth	88 mm
Sash Depth	88 mm
Hardware	16 mm
Rebate height	23 mm
Glazing Bead height	23 mm
Possible glass thickness	12 mm to 62 mm pre-inserted gaskets
Internal visible height of frame	46.5 mm & 51.5 mm
External visible height of frame	23.5 mm & 28.5 mm
Exterior view	Flush
Interior view	Flush
Central seal	ABS
Glazing gaskets	ABS
Alloy	EN AW 6060 TW66
Thermal break	EPDM/TPE

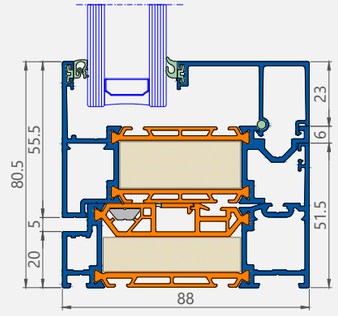
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section



Horizontal section

Entra 73 Standard

THE ADVANTAGES OF SIMPLE FORMS

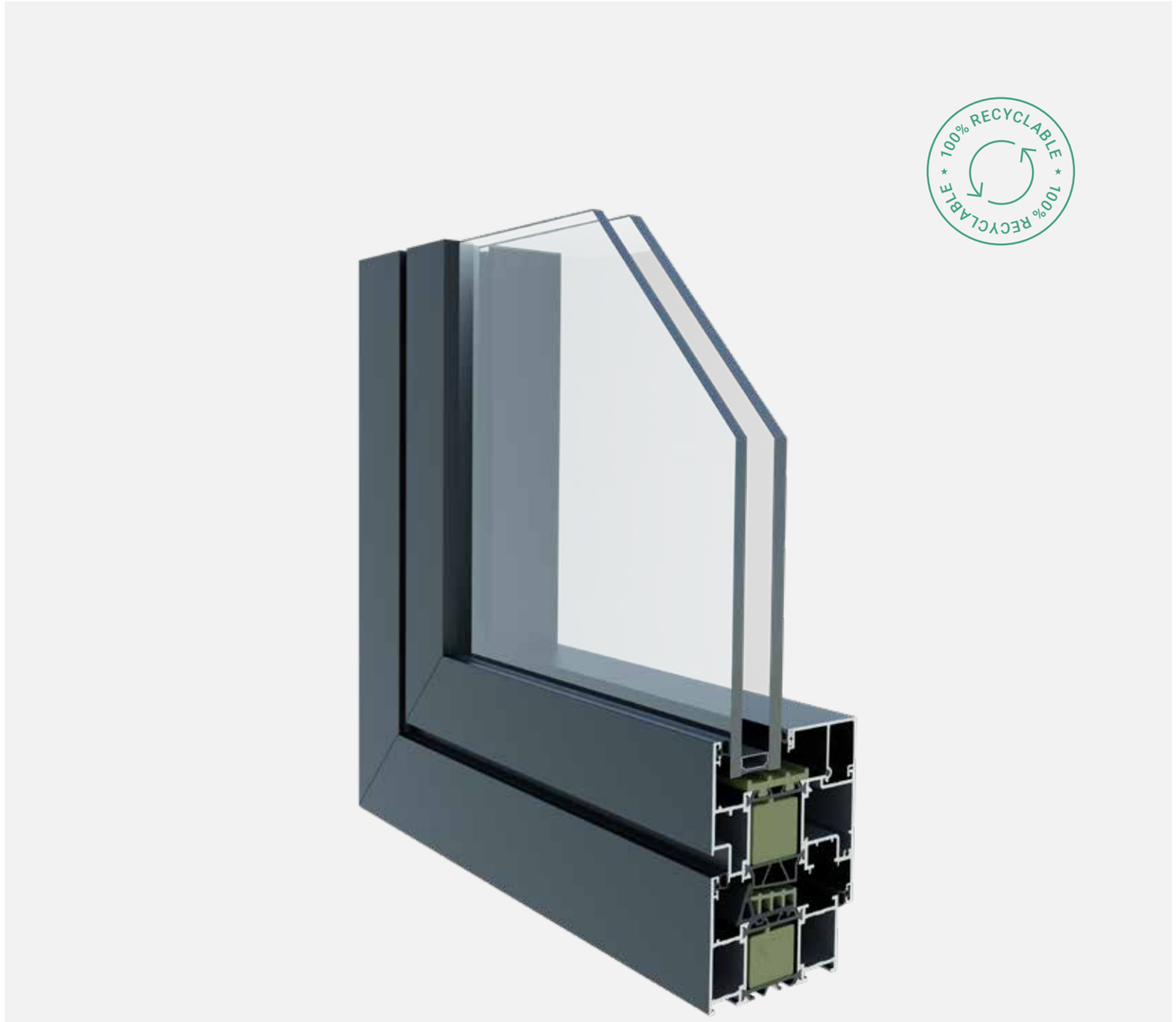
Entra window profiles, with their sleek geometrical shapes and exceptionally smooth surfaces, offer unparalleled versatility. Their minimalist design seamlessly integrates into both newly constructed homes and renovation projects, ensuring a cohesive and contemporary look. Additionally, Entra 73 profiles provide flexibility in insulation options, allowing for optimal thermal performance tailored to any project.

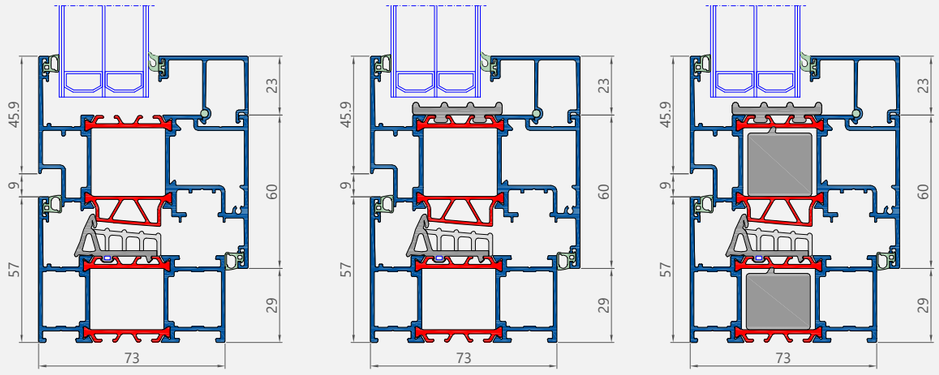
TECHNICAL PERFORMANCE			Entra 73 Standard
PN-EN ISO 10077-2			Uf from = 1.3 W/m²K
PN-EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K ψ = 0.069	Standard insulation Uw = 1.5 W/m²K
	Triple glazing	Ug = 0.5 W/m²K ψ = 0.034	Hi+ insulation Uw = 0.9 W/m²K
Air permeability	EN-12207		Class 4
Watertightness	EN-12207		E1350
Wind resistance	EN-12210		Class C5
Operating forces	EN-13115		Class 1
Incorrect use	EN-13115		Class 4

TECHNICAL CHARACTERISTICS	Entra 73 Standard
Frame installation depth	73 mm
Sash installation depth	82 mm
Hardware	16 mm
Rebate height	23 mm
Glazing bead height	23 mm
Possible glass thickness in the frame	5–54 mm
Possible glass thickness in the sash	8–63 mm
Internal visible height of the frame	20 mm, 34 mm, 48 mm, 89 mm
External visible height of the frame	43 mm, 57 mm, 71 mm, 112 mm
External visible height of the transom	66 mm, 80 mm, 94 mm
Exterior	Frame and sash flush mounted
Interior	Rebated and flush mounted possible
Central Gasket	Tri-extruded TPE with TPV corners
Glazing Rubbers	TPE
Alloy	EN AW 6060 T66
Thermal Break	Glasfiber Reinforced Polyamide 34 mm

(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points





Vertical section (Standard)

Vertical section (Hi)

Vertical section (Hi+)

Entra 95 Steel

EYE-CATCHING STEEL DESIGN

Entra 95 Steel windows combine a sleek, refined appearance with a sense of understated elegance. Ideal for architecture of old industrial buildings that highlight elements such as light, structure, and colour. With outstanding insulation properties, they ensure superior energy efficiency and thermal performance. They are the perfect blend of style and efficiency, ideal for any forward-thinking project.

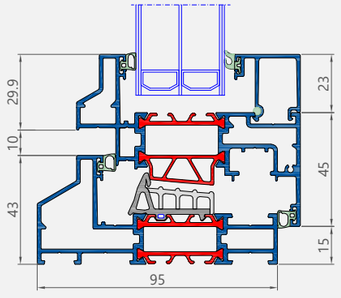
TECHNICAL PERFORMANCE			Entra 95 Steel
PN-EN ISO 10077-2			Uf from = 1.3 W/m²K
PN-EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K ψ = 0.069	Standard insulation Uw = 1.5 W/m²K
	Triple glazing	Ug = 0.5 W/m²K ψ = 0.034	Hi+ insulation Uw = 0.9 W/m²K
Air permeability	EN-12207		Class 4
Watertightness	EN-12207		E1350
Wind resistance	EN-12210		Class C5
Operating forces	EN-13115		Class 1
Incorrect use	EN-13115		Class 4

TECHNICAL CHARACTERISTICS	Entra 95 Steel
Frame installation depth	95 mm
Sash installation depth	82 mm
Hardware	16 mm
Rebate height	23 mm
Glazing bead height	23 mm
Possible glass thickness in the frame	5–54 mm
Possible glass thickness in the sash	8–63 mm
Internal visible height of the frame	20 mm, 34 mm, 48 mm, 89 mm
External visible height of the frame	43 mm, 57 mm, 71 mm, 112 mm
External visible height of the transom	66 mm, 80 mm, 94 mm
Exterior	Frame and sash flush mounted
Interior	Rebated and flush mounted possible
Central gasket	Tri-extruded TPE with TPV corners
Glazing rubbers	TPE
Alloy	EN AW 6060 T66
Thermal break	Glasfiber Reinforced Polyamide 34 mm

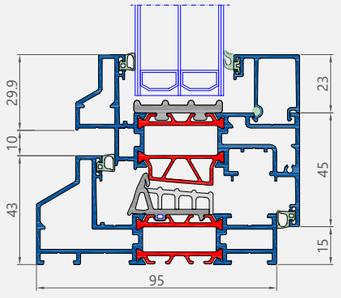
(*) U-Value calculated on the basis of a tilt and turn window measuring 1230 mm × 1480 mm (W × H)

All other standardised classifications performed on a tilt and turn window measuring 1230 mm × 1480 mm (W × H) Window with 2 suspension points and 6 locking points

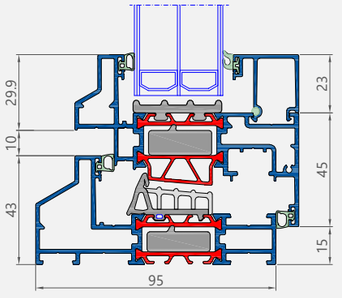




Vertical section (Standard)



Vertical section (Hi)



Vertical section (Hi+)

Decalu 88 Doors

HIDDEN FUNCTIONALITY & UNIQUE APPEARANCE

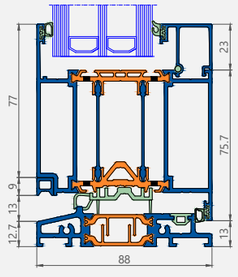
The Decalu Doors system features patented profile technology with compensating thermal strips, ensuring slim frames that handle deformation from extreme temperatures with ease. Whether exposed to intense summer sunlight or freezing winter cold, this system maintains its integrity and performance. The industrial steel aesthetic is accentuated by integrated LED lighting within the frame, enhancing both its visual appeal and functionality. Specialized roller hinges ensure smooth operation and long-lasting durability. Additionally, the system seamlessly integrates with the Decalu series, offering a cohesive and sophisticated solution for any architectural project.

TECHNICAL PERFORMANCE			Decalu 88 Doors
EN ISO 10077-2			Uf from = 1.4 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.4 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 1.0 W/m²K*
Air permeability	EN 12207		class 4
Watertightness	EN 12208		450 Pa
Wind resistance	EN 12210		class C4
Operating forces	EN 13115		not applicable
Incorrect use	EN 13115		not applicable

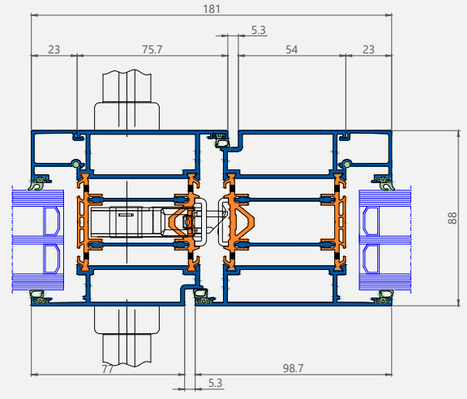
TECHNICAL CHARACTERISTICS	Decalu 88 Doors
Frame installation depth	88 mm
Sash installation depth	88 mm
Hardware	U-shaped locking plates
Rebate height	25 mm
Glazing bead height	23 mm
Possible glass thickness	12–62 mm
Internal visible height of the frame	31 mm, 52.7 mm, 54 mm, 75.7 mm
External visible height of the frame	31 mm, 52.7 mm, 54 mm, 75.7 mm
External visible height of the transom	66 mm, 80 mm, 94 mm
Exterior	flat
Interior	flat
Central gasket	not applicable
Glazing rubbers	EPDM/TPE
Alloy	EN AW 6060 T66
Thermal break	ABS 49 mm with anti-bi-metal effect

(*) U-Value calculated on the basis of a door measuring 1050 mm × 2100 mm (W × H)





Vertical section



Horizontal section

Decalu 88 Panel Doors

BEAUTY IS IN THE DETAILS

Decalu Panel Doors is an efficient, complete, energy-efficient aluminium door profile system, developed using the innovative So Easy technology. It is designed for manufacturing doors with the so-called panel filling, opening inwards and outwards.

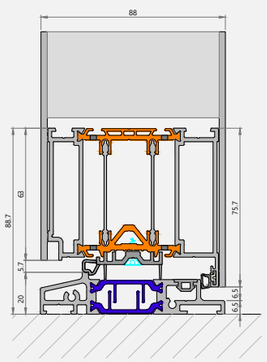
Decalu Panel Doors are equipped with a compensating thermal break (anti-bimetal strips) as standard. The application of this solution ensures that the deformation of doors heated in summer and frozen in winter is significantly minimised. Solid fastening of locks and striker plates in the thermal insulator space ensures the highest aesthetics of the panel solutions.

TECHNICAL PERFORMANCE		Decalu 88 Panel Doors
PN EN ISO 10077-1		Uw = 0.7 W/m²K
Air permeability	EN 12207	Class 3
Watertightness	EN 12208	Class 6A (250 Pa)
Wind resistance	EN 12210	Class C5 (2000 Pa)
Operating forces	EN 12217	Class 3
Strength	EN 1192	Class 4

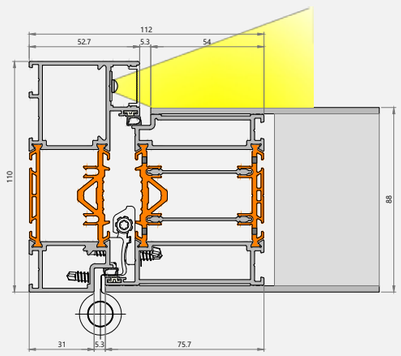
TECHNICAL CHARACTERISTICS	Decalu 88 Panel Doors
Frame installation depth	88 mm
Sash installation depth	88 mm
Hinges	Aluminium roller hinges Rollenband AT
Panel	Double-sided panel (2× aluminium 2 mm thick + 2× XPS 40 mm thick)
Exterior	flat
Interior	flat
Central gasket	not applicable
Alloy	EN AW 6060 T66
Thermal break	ABS with anti bi-metal effect

(*) U-Value calculated on the basis of a door measuring 1050 mm × 2100 mm (W × H)





Vertical section



Horizontal section

Decalu 88 Folding Doors

OUTDOOR LIVING AT ITS BEST

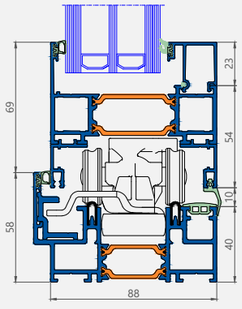
The Decalu Aluminium Bi-Folding Door epitomizes minimal sightlines and exceptional performance, making it an ideal choice for seamlessly connecting indoor and outdoor spaces, regardless of the weather. With industry-leading thermal efficiency enhanced by optional insulation elements, it achieves remarkable U-values as low as 1.0 W/m²K for triple-glazed units and 1.4 W/m²K for double-glazed options. This system delivers a contemporary, premium aesthetic and accommodates sashes weighing up to 150 kg.

TECHNICAL PERFORMANCE			Decalu 88 Folding Doors
EN ISO 10077-2			Uf from 1.9 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.4 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 1.0 W/m²K*
Air permeability	EN 12207		Class 4
Watertightness	EN 12208		450 Pa
Wind resistance	EN 12210		Class C2
Operating forces	EN 13115		Class 2
Incorrect use	EN-13115		not applicable
Security	PAS24:2016 Annex C		PAS24

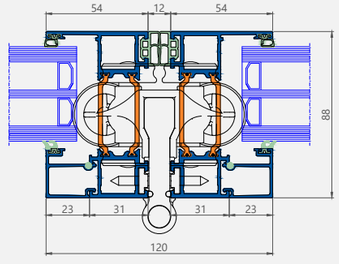
TECHNICAL CHARACTERISTICS	Decalu 88 Folding Doors
Frame Depth	97 mm
Sash Depth	88 mm
Hardware	delivered with the system
Rebate height	25 mm
Glazing Bead height	23 mm
Possible glass thickness	12-62 mm
Internal visible height of frame	40 mm, 58 mm
External visible height of frame	40 mm, 58 mm
Exterior view	Flush
Interior view	Flush
Central gasket	not applicable
Glazing gaskets	EPDM (pre-inserted)
Alloy	EN AW 6060 TW66
Thermal break	ABS, PA

(*) U-Value calculated on the basis of a folding door measuring 4000 mm × 3000 mm (W × H)





Vertical section



Horizontal section

Decalu 88 Invisifold

A TIMELESS SOLUTION FOR MODERN PROJECTS

This system distinguishes itself through its unique slide and swing door functionality, enabling a seamless transition between different states: sliding, folding, and swinging. The system is compatible with both double and triple-glazed units, ensuring energy efficiency and robust insulation. It supports installation up to the maximum height specified by system houses or extruders, with successful implementations of doors reaching up to 3 meters.

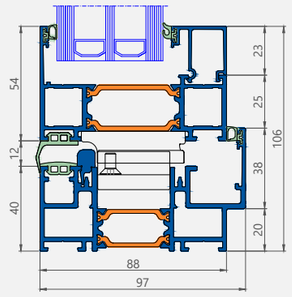
TECHNICAL PERFORMANCE			Decalu 88 Invisifold
EN ISO 10077-2			Uf from 1.9 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.4 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 1.0 W/m²K*

TECHNICAL CHARACTERISTICS	Decalu 88 Invisifold
Frame installation depth	97 mm
Sash installation depth	88 mm
Hardware	delivered with the system
Rebate height	25 mm
Glazing Bead height	23 mm
Possible glass thickness	12–62 mm
Internal visible height of the frame	40 mm, 58 mm
External visible height of the frame	40 mm, 58 mm
External visible height of the cross beam	not applicable
Exterior view	flat
Interior view	flat
Central seal	not applicable
Glazing gaskets	TPE
Alloy	EN AW 6060 T66
Thermal break	PA

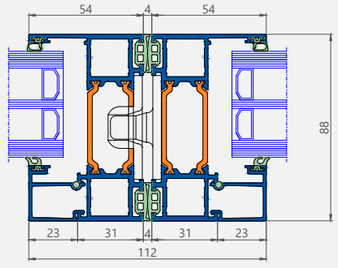
(*) U-Value calculated on the basis of a folding door measuring 4000 mm × 3000 mm (W × H)

New system available as of May 2025.





Vertical section



Horizontal section

Decalu 163 Slide

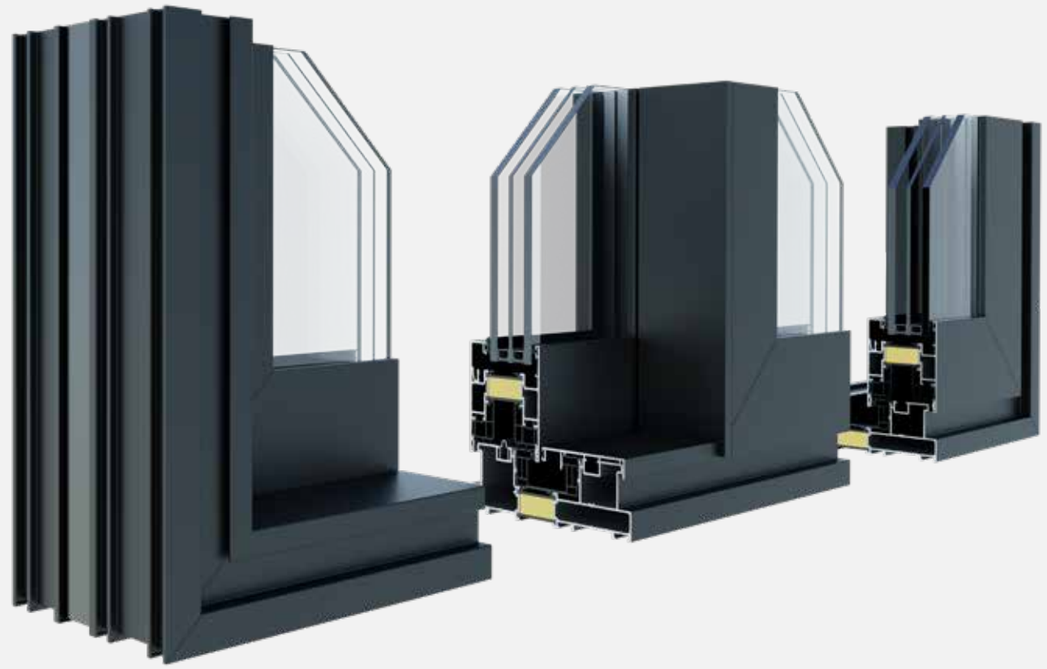
MOVE YOUR PERSPECTIVE

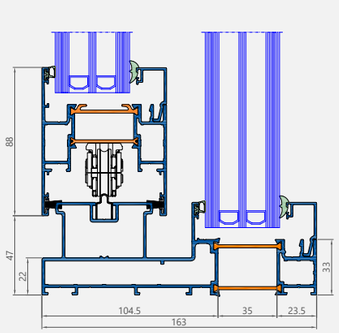
Decalu Slide is a lift and slide system available in mono-, duo- and triple-rail versions. The system also provides a solution with extended thresholds. The monorail version is available with internal and external glazing options. Glazing from the outside lets you create large glass panel system with sliding doors. The slim centre post provides a modern look. Max. weight for one sliding sash in the system up to 400 kg.

TECHNICAL PERFORMANCE			Decalu 163 Slide
EN ISO 10077-2			Uf from 1.6 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	Uw = 1.2 W/m²K*
	Triple glazing	Ug = 0.5 W/m²K	Uw = 0.8 W/m²K*
Air permeability	EN 12207		Class 3
Watertightness	EN 12208		Class 9A (600 Pa)
Wind resistance	EN 12210		Class C2 (800 Pa)
Operating forces	EN 13115		Class 1
Incorrect use	EN 13115		TBC

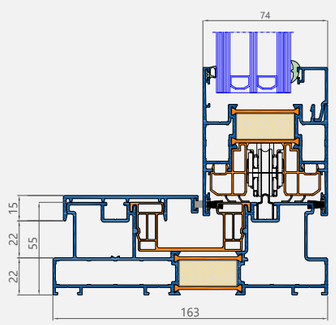
TECHNICAL CHARACTERISTICS	Decalu 163 Slide
Frame Depth	163 mm
Sash Depth	74 mm
Hardware	Siegenia
Rebate height	25 mm
Glazing Bead height	23 mm
Possible glass thickness	18–58 mm
Internal visible height of frame	55 mm
External visible height of frame	55 mm
Exterior	Flush-mounted possible
Interior	Flush-mounted possible
Glazing gaskets	EPDM
Alloy	EN AW 6060 TW66
Thermal break	PA

(*) U-Value calculated on the basis of a sliding door measuring 2300 mm × 3000 mm (W × H) depending on profile choice.

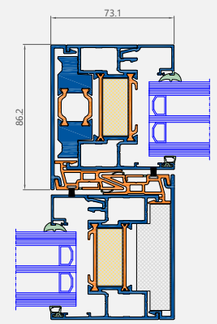




Vertical section (monorail)



Vertical section (duorail)



Horizontal section

Zenova 163 Pull & Slide

MOVE WITH THE TIMES

The Zenova 163 Pull & Slide system combines sleek design with cutting-edge functionality, offering a mono-rail sliding solution perfect for creating large glass panels that beautifully illuminate interior spaces. With both internal and external glazing options, it allows for maximum flexibility in design. The slim centre post enhances the modern aesthetic, while the system's ability to support sliding sashes up to 400 kg ensures durability.

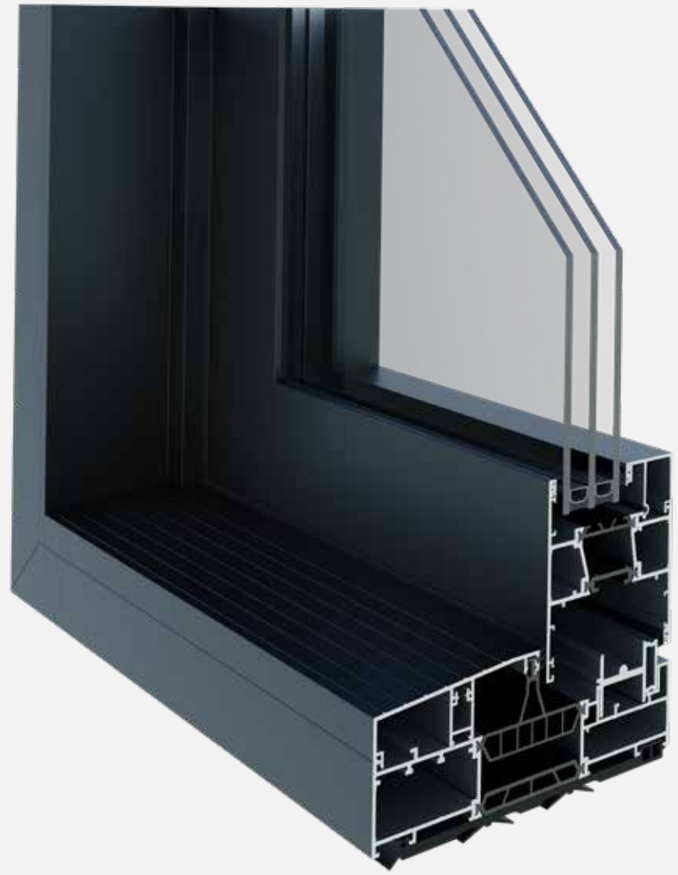
Thanks to its special sealing system and pull & slide mechanism, the Zenova 163 guarantees exceptional watertightness and wind resistance. The sleek design, combined with its smooth operation, makes it a perfect choice for modern architectural projects.

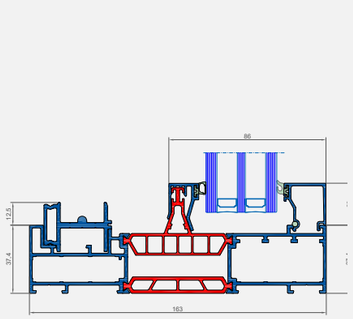
TECHNICAL PERFORMANCE			Zenova 163 Pull & Slide
EN ISO 10077-2			Uf from = 1.4 W/m²K
EN ISO 10077-1	Double glazing	Ug = 1.0 W/m²K	1.4 W/m²K (Standard insulation) 1.3 W/m²K (Hi insulation)
	Triple glazing	Ug = 0.5 W/m²K	1.0 W/m²K (Standard insulation) 0.9 W/m²K (Hi insulation)
Air permeability	PN-EN 12207		Class 4
Water tightness	PN-EN 12208		min 9A
Wind resistance	PN-EN 12210		min class C4
Operating forces	PN-EN 13115		Class 1
Incorrect use	PN-EN 13115		Class 1

TECHNICAL CHARACTERISTICS	Zenova 163 Pull & Slide
Frame Depth	163 mm
Sash Depth	74 mm
Hardware	Roto
Rebate height	27,5 mm
Glazing Bead height	23 mm
Possible glass thickness	18–57 mm
Internal visible height of frame	37.5 mm
External visible height of frame	37.5 mm
Exterior	Flush – mounted possible
Interior	Flush – mounted possible
Glazing gaskets	EPDM
Alloy	EN AW 6060 TW66
Thermal break	Frame PA 60 mm, Sash 34 mm

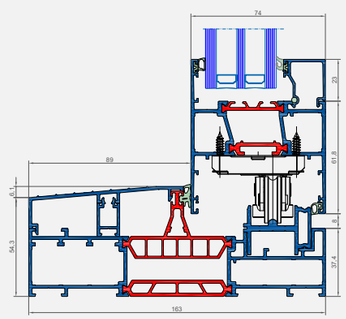
(*) U-Value calculated on the basis of a folding door measuring 2300 mm × 3000 mm (W × H)

New system available as of March 2025.

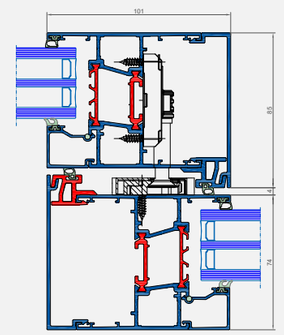




Vertical section



Vertical section



Horizontal section

Encasa 42

EMULATING THE APPEARANCE OF HERITAGE STEEL INTERNAL DOORS

With ultra-slim sightlines of only 29 mm, Encasa combines traditional detailing with contemporary urban and loft-house design trends. With maximum heights of 2.5 m and the ability to handle sash weights of up to 150 kg, this interior partitioning system delivers a multitude of design options. The design possibilities are endless, from single or French doors to a pivot, sliding or pocket door. Possible finishes are the soft-close mechanism and the addition of internal partitioning.

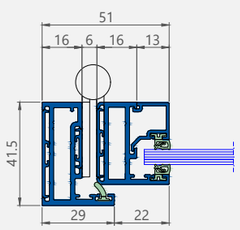


Fixed | Hinged | Pivot | Sliding | Sliding pocket

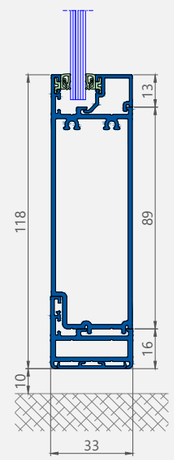
TECHNICAL CHARACTERISTICS	Encasa 42
Frame installation depth	41.5 mm
Sash installation depth	33 mm
Glazing bead height	13 mm
Possible glass thickness	6–8 mm
Internal visible height of frame	16 mm
External visible height of frame	29 mm
External visible height of transom	34 mm

TECHNICAL CHARACTERISTICS	Hinged Doors	Sliding Doors	Pivot Doors (NL)	Pivot Doors (XL)
Maximum width	1200 mm	1200 mm	1250 mm	2250 mm
Maximum height	2500 mm	2500 mm	2500 mm	2500 mm
Maximum weight	100 kg	100 kg	75 kg	150 kg





Vertical section



Horizontal section

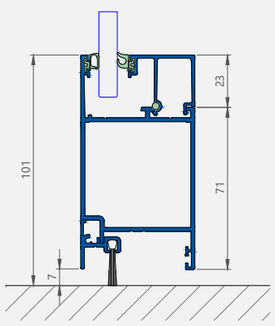
Encasa 50

THE SPATIAL DIVISION OF ROOMS WITHOUT THERMAL INSULATION

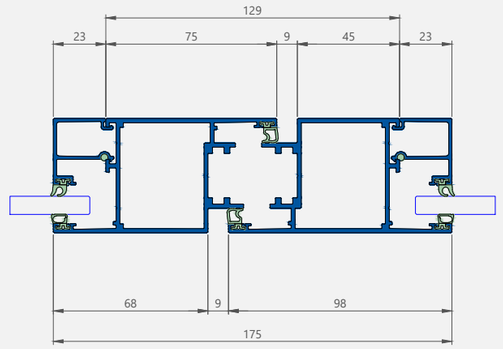
This system is perfect for constructing office walls, winter gardens, the spatial division of rooms without thermal insulation. It is also excellent for single and double sash internal doors.

TECHNICAL CHARACTERISTICS	Encasa 50
Filling thickness	6–24 mm
Construction depth	50 mm
Filling types	Single glazing, insulated glass or panels of non-translucent glass.
Approvals, certifications	Air permeability acc. to PN-EN 12207:2017-01 standard and pt. 5,9 of PN-EN 14351-2:2018-12 Class B, PN-EN 13049:2004 and pt. 5,3 of PN-EN 14351-2:2018-12 Standard, Class 1 Fall height of 200 mm
Max door leaf dimensions (H×L)	H up to 2300 mm; L up to 1300 mm
Max sash weight (doors/windows)	120–130 kg





Vertical section



Horizontal section

Westa 82 FP

FOR CONSTRUCTION OF DOORS AND FIRE – RESISTANT WALLS

The Westa 82 FP system is a pinnacle of excellence, renowned for its superior fireproofing capabilities, as demonstrated by its success in the most rigorous fire tests. This advanced system accommodates fire-resistant double-chamber glass, endowing the structure with unparalleled thermal performance. Its innovative design features the option for asymmetric glass assembly, ensuring seamless integration with other Decalu systems.

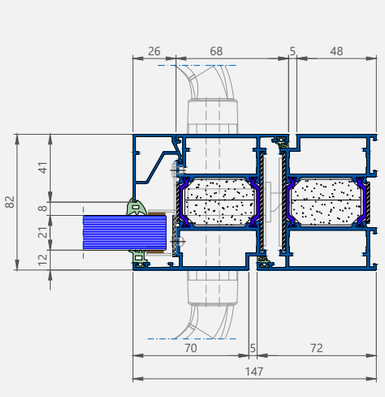
The installation process for glazing clips and glass-fixing elements is remarkably smooth, resulting in faster prefabrication times compared to other systems on the market. The Westa FP structures, including the Westa 82 Fire Proof Doors, are robust, secure, and straightforward to prefabricate. Having passed all fire and durability tests with distinction, this system stands as a reliable choice for sophisticated, fire-resistant architectural solutions.

TECHNICAL PERFORMANCE			Westa 82 FP
PN-EN ISO 10077-1		Ug = 1.0 W/m²K	Uw = 1.8 W/m²K
Fire resistance			EI/EW 30, EI_2/EW 30, EI_1/EW60, EI_2/EW 60, Sa/S_{200}

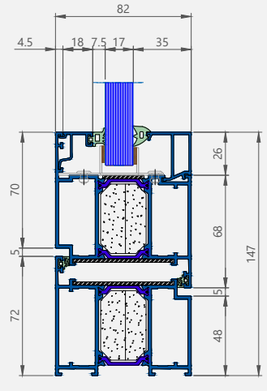
TECHNICAL CHARACTERISTICS	Westa 82 FP
Frame installation depth	82 mm
Sash installation depth	82 mm
Maximum dimension	single-leaf door 1300 mm × 2500 mm duoble-leaf door 2400 mm × 2500 mm
Maximum glazing package	60 mm
Door type	with a warm threshold with a brush with automatic threshold
Assortment	external doors External doors for use on emergency and emergency exits External and internal smoke-tight doors Internal doors Internal doors for use on emergency exits Internal and external walls Technical windows and arch constructions with ventilation, evacuation and emergency solutions in the full fitting and dimension series, transoms, non-transparent panels

(*) U-Value calculated on the basis of a door measuring 1050 mm × 2100 mm (W × H)





Vertical section



Horizontal section

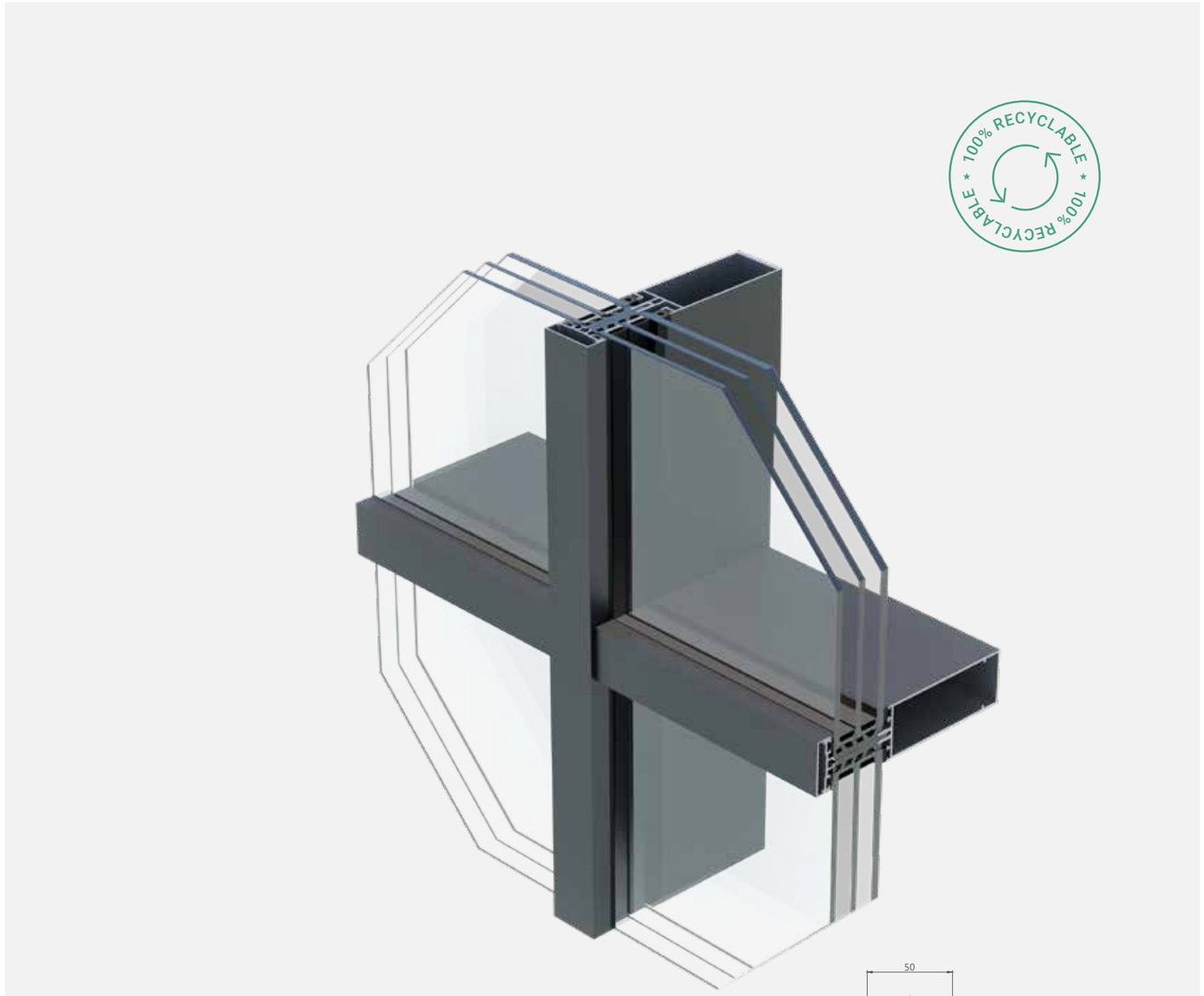
Decalu F50 Facade

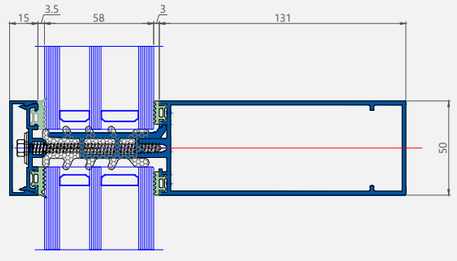
ULTRA-ENERGY EFFICIENT

Engineered specifically for commercial applications, the Decalu F50 curtain walling system offers unparalleled design flexibility and exceptional long-term performance. Characterized by uniform 50 mm sightlines and a sleek, minimalist aesthetic, it combines cutting-edge thermal efficiency with striking visual appeal. Achieving Uf values as low as 0.7 W/m²K, the system meets Passivhaus standards, ensuring superior energy efficiency and sustainability.

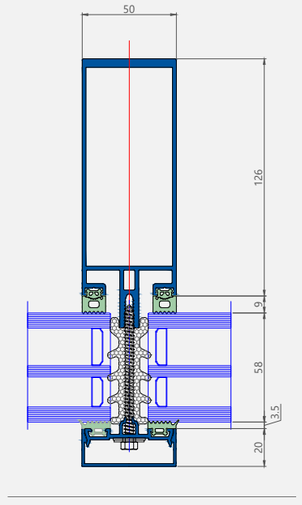
TECHNICAL PERFORMANCE	Decalu F50 Facade
Air permeability	Class AE (1800Pa), PN-EN 12153:2004
Watertightness	Class 2250 RE(2250Pa), PN-EN 12155:2004
Resistance to wind load	+2400Pa/-2400Pa, PN-EN 12179:2004
Safety test	+3600Pa/-3600Pa, PN-EN 12179:2004
Impact resistance	Class E5(950 mm)/I5(950 mm), PN-EN 12600:2004, PN-EN 14019:2016

TECHNICAL CHARACTERISTICS	Decalu F50 Facade
Interior/exterior visible width	50 mm
Depth mullions	from 66 mm to 206 mm
Depth transoms	from 51 mm to 191 mm
Inertia mullions (Ix: wind load)	min 57.90 cm⁴ to max 982.9 cm⁴
Inertia transoms (Ix: wind load)	min 14.4 cm⁴ to max 53.8 cm⁴
Glazing	Fixing by pressure plates
Glass thickness	6-62 mm
Opening types	Decalu window systems





Vertical section



Horizontal section

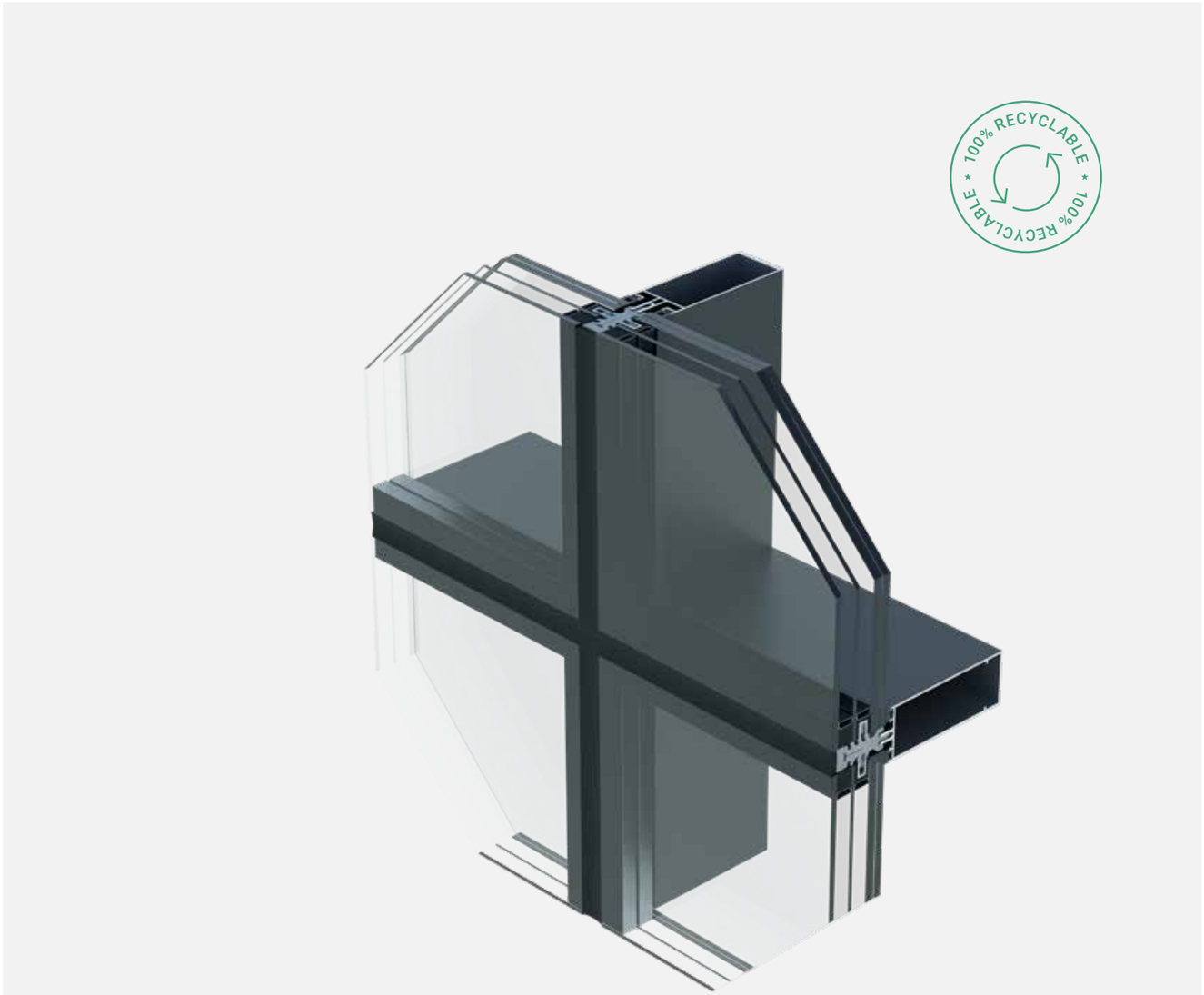
Decalu F50 Facade SSG

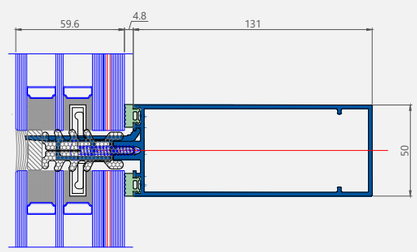
FULL INTEGRATION

The Decalu F50 SSG Facade system offers fully integrated, semi-structural window and door solutions designed for commercial, office, and public utility facilities. This advanced curtain-wall system features a specialized window-pane fitting mechanism, enabling the creation of sleek glass walls with precise horizontal and vertical divisions, separated by a 22 mm grout line. Accommodating glazing packages up to 62 mm, the system delivers exceptional thermal insulation with a Uf value of just 0.6 W/m²K. Seamlessly compatible with all Decalu windows and doors, as well as various ventilation and Brise Soleil systems, the Decalu F50 SSG Facade is a versatile and high-performance choice for modern architectural applications.

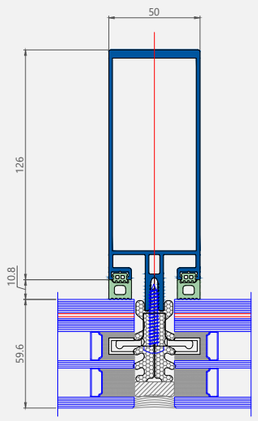
TECHNICAL PERFORMANCE	Decalu F50 Facade SSG
Air permeability	Class AE (1800Pa), PN-EN 12153:2004
Watertightness	Class 2400 RE(2400Pa), PN-EN 12155:2004
Resistance to wind load	+2400Pa/-2400Pa, PN-EN 12179:2004
Safety test	+3600Pa/-3600Pa, PN-EN 12179:2004
Impact resistance	Class E5(950 mm)/I5(950 mm), PN-EN 12600:2004,PN-EN14019:2016

TECHNICAL CHARACTERISTICS	Decalu F50 Facade SSG
Interior/exterior visible width	50 mm
Depth mullions	from 66 mm to 206 mm
Depth transoms	from 51 mm to 191 mm
Inertia mullions (Ix: wind load)	min 57.9 cm⁴ to max 982.9 cm⁴
Inertia transoms (Ix: wind load)	min 14.4 cm⁴ to max 53.8 cm⁴
Glazing	Glass fixing elements
Glass thickness	6–62 mm
Opening types	Decalu window systems





Vertical section



Horizontal section

Decalu Balustrades

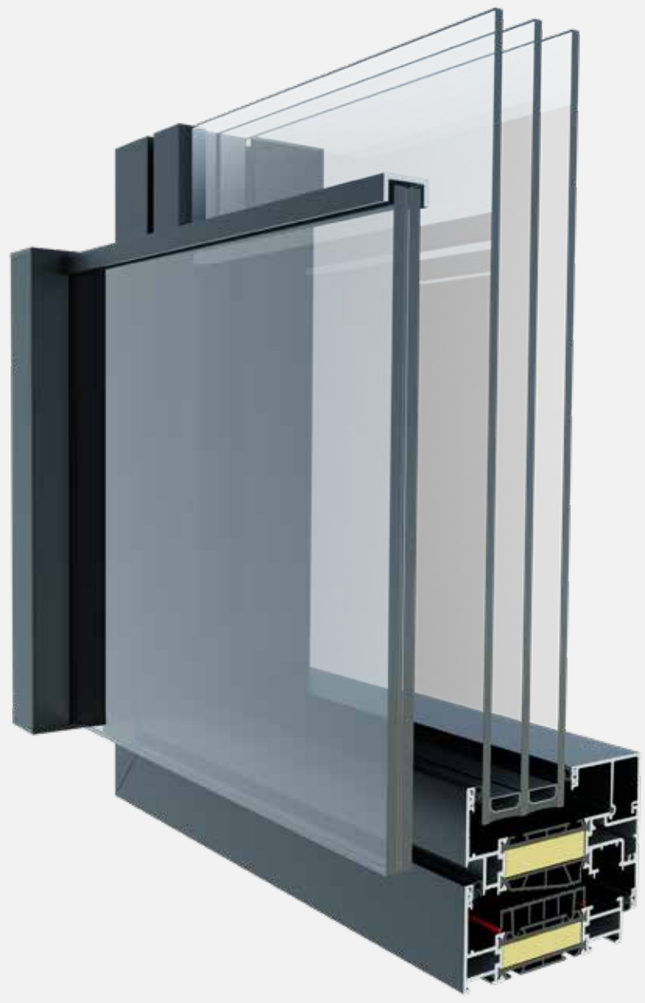
FOR SAFETY

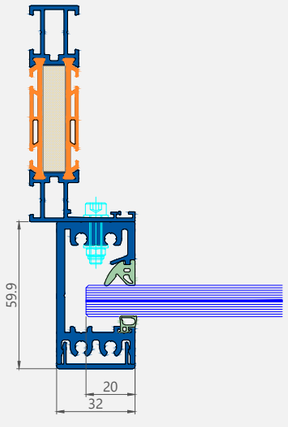
The Decalu Balustrade system provides a robust and aesthetically pleasing solution for window safety. Designed to prevent falls, it fits directly onto aluminium, PVC, or wooden profiles, and suits various applications, including residential, office, and public spaces. Complying with PN-EN 1991-1-1 standards, it enhances interior comfort by reducing noise and increasing light levels with glass infills ranging from 8.8 to 20.8 mm thick. Resistant to corrosion and capable of withstanding wind loads up to 1.26 kN/m², it offers long-term durability and complies with safety standards.

PROPERTY	Standards	Test parameter (*)
Resistance to soft and heavy body impact	PN-EN 13049:2004	950 mm
Static load resistance up to 3 kN/m	PN-EN 1991-1-1:2004	1 kN/m
Wind resistance	PN-EN 12444:2002	1.19 kPa
Resistance to impact with a hard object	PN-EN 950:2000	5 J

GLASS TYPE	Maximum dimensions width × height (S × H)mm	Minimum dimensions width × height (S × H)mm
ESG VSG 66.2 *)	2050 mm × 1250	500 mm × 500
ESG VSG 66.4 *)	2050 mm × 1250	500 mm × 500
ESG VSG 88.2 *)	2050 mm × 1250	500 mm × 500
ESG VSG 88.4 *)	2050 mm × 1250	500 mm × 500

(*) According to PN-EN 12150-1:2015 i PN ISO 12543-2:2011





Vertical section

Certified quality by Deceuninck

INTERNAL INSPECTIONS

Our experts check the quality of the profiles on a daily basis. They test all characteristics of the raw materials and the extruded profiles in accordance with the strictest European standards. Dimensions, colour, thermal stability, corner joints and compositions are verified at regular intervals.

These strict internal inspections ensure the exceptional quality of the Deceuninck profiles.

Proven quality

Deceuninck always undertakes to have its products certified. This demonstrates that Deceunick attaches great importance to quality. Numerous approvals from various bodies, including from the Belgian Union for Technical Approval in Construction (BUtgb), the so-called ATG approvals, as well as KOMO certificates issued by Kiwa and Skg, are the best proof of this. Additionally, we also have the Qualicoat and Qualanod certificates. The Qualicoat certificate guarantees the quality of coating applications on aluminium profiles, while the Qualanod certificate ensures the quality of aluminium anodization.

Certified product and installation

Mandated accredited certification bodies, such as Kiwa in Belgium, exercise external control over the conformity of production with the published approval at a specified frequency. Within this scope, quality certification agency Kiwa has developed an industry-specific quality label (SSK) in collaboration with Deceuninck. This quality label goes way beyond the European CE standard and provides even greater certainty that both the production (SSK 2001) and the installation (SSK 2002) of the window and door systems take place in a skilful manner.

The scope of the accreditation is extended at regular intervals. This ensures that we continue to comply with the increasingly strict market demands.

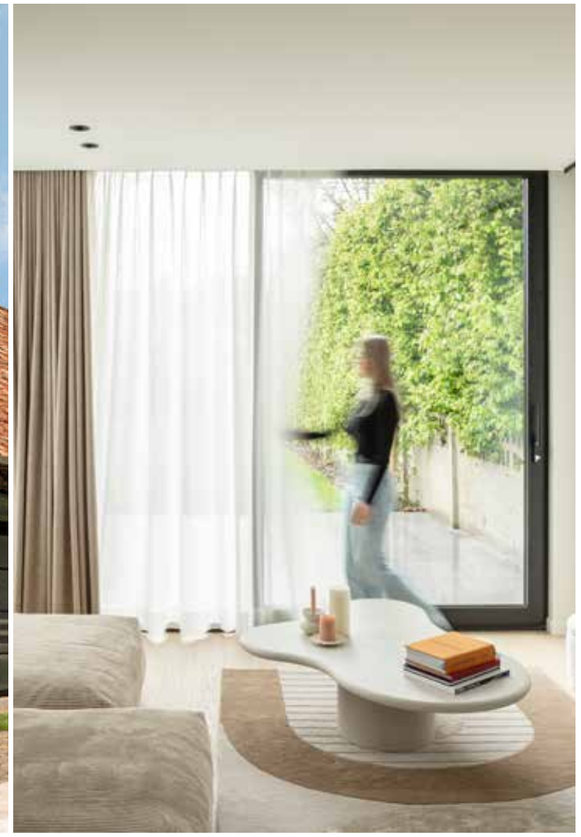
Europe

United Kingdom

Benelux

Poland







BUILDING A SUSTAINABLE HOME

Through innovative designs and production processes
we deliver the most sustainable window, door and building solutions
for today's and tomorrow's customers.

deceuninck

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