

PRESTIGE STARTS AT THE THRESHOLD

FRONT ENTRY DOORS MB-86N **PIVOT DOOR** / **PD** Series



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PRESTIGE STARTS AT THE THRESHOLD

MB-86N PIVOT DOOR

Introducing the **MB-86N PIVOT DOOR PD Series:** where the art of aluminium door design meets the pinnacle of modern aesthetics and functionality. This collection is inspired by the latest architectural trends, featuring door panels with grand proportions that redefine the entrance space with a touch of monumentality and contemporary flair. Our innovative off-centre rotation axis not only adds a dramatic effect but also aligns with the modern architectural demand for standout features. The door panels within this series are designed to complement these large-scale proportions, making them a favorite in the realm of modern door architecture.

Beyond the cutting-edge technology, the **MB-86N PIVOT DOOR PD series** captivates architects and designers alike with its unique pattern designs and the use of premium decorative materials, setting a new standard for style and sophistication in door design.

MB-86N PIVOT DOOR

U_D from **0,65** W/(m²K)

The **MB-86N PIVOT DOOR** system was developed to align with contemporary requirements for environmental protection and energy saving. The specifications of doors built on this system comply with the standards and regulations currently in place. The system offers exceptional thermal and acoustic insulation, alongside superior water and air tightness.

The system's large door leaves are supported by concealed bearing hinges capable of handling up to 500 kg. The **MB-86N PIVOT DOOR** comes in three thermal variants ST, SI, SI+, and a unique locking mechanism that can incorporate one or two espag locks. This system is engineered for seamless functional integration with ALUPROF's MB-86N window and door system, ensuring technical compatibility and uniformity throughout architectural projects. It allows for the incorporation of doors with corresponding side and top lights, maintaining consistent construction and technical parameters. The **MB-86N PIVOT DOOR** excels with its easy and quick installation process, including a ‚zero' threshold option that allows for external water drainage and the integration of a linear drainage system. In addition to decorative options, doors can accommodate triple-glazed panels with a thickness of up to 60 mm.







Technical specification

Frame depth	77 mm
Leaf depth	77 mm
Infill panel thickness	77 mm
Maximum leaf size	1950 × 3400 mm
Maximum leaf weight	500 kg

Performance

Air permeability	class 4, EN 12207
Watertightness	class 4A (150 Pa), EN 12208
Windload resistance	class C3 (1200 Pa), EN 12210
Operating forces	class 1, EN 12217
Resistance to torsion	class 4, EN 1192
Resistance to vertical load	class 4, EN 1192
Thermal insulation	U_D from 0,65 W/(m²K)

PD-SERIES **MODELS**



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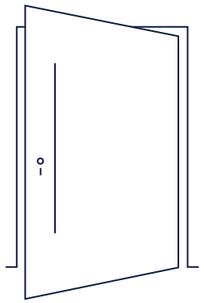
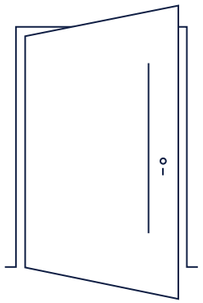
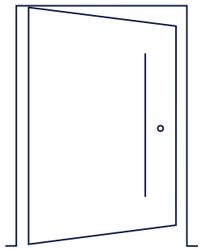
DOOR OPENING
DIRECTIONS



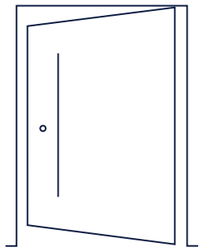
LEFT HAND
OUTSWING



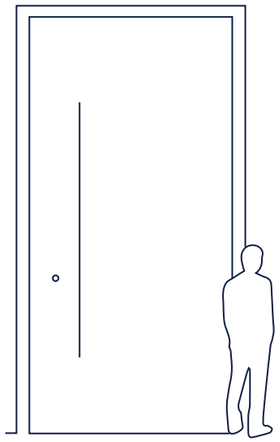
RIGHT HAND
OUTSWING



LEFT HAND
INSWING



RIGHT HAND
INSWING



MAXIMUM INFILL DIMENSIONS
FOR DOORS

MAXIMUM DOOR LEAF HEIGHT	**3400 mm**
MAXIMUM DOOR LEAF WIDTH	**1950 mm**

WOOD-EFFECT
FINISHES



Golden Oak → ADEC D101



Swamp Oak → ADEC D502



Walnut → ADEC O102



Wenge → ADEC W205



Winchester → ADEC W645

RAL AND TEXTURED COLOURS*



GLASS



Master-Point



Chinchilla



Satinovo



Master-Ligne



Master-Carre

Default: Float, Satinovo
Antisol (parsol) brown
Antisol (parsol) grey
Stopsol classic brown
Stopsol classic graphite
Stopsol supersilver transparent
Stopsol Dark Grey
White Chinchilla

Mirrastar (One-way mirror)
Master-ligne
Master-point
Master-carre
Stadip 33.1
Stadip 44.4 P4
Sandblasted glass (ESG)

* All RAL colours are available.
Textured colours as per the Aluprof range.
Please note, the colours displayed may slightly differ from those of the final product.



PD01 UNISTYLE

REFINED SIMPLICITY



The **PD01** model embodies minimalist elegance through its modern and sleek design, devoid of unnecessary surface details. This door is designed to complement a wide range of façade styles effortlessly. Featuring the PWZ pull handle, seamlessly integrated into the panel to match the door's substantial size, it highlights the door's contemporary aesthetic while offering practical functionality.

The PD01 is versatile, accommodating a variety of electronic enhancements in the pull handle for an even broader application spectrum:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a microswitch.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 7016
SURFACE DETAILING	—
PULL HANDLE	PWZ integrated in the panel, same as infill colour RAL 7016, L-2200 mm
DOOR ROSETTE	RS 20, black





PD03 ARCHILINE

PRECISION-MILLING CRAFTSMANSHIP



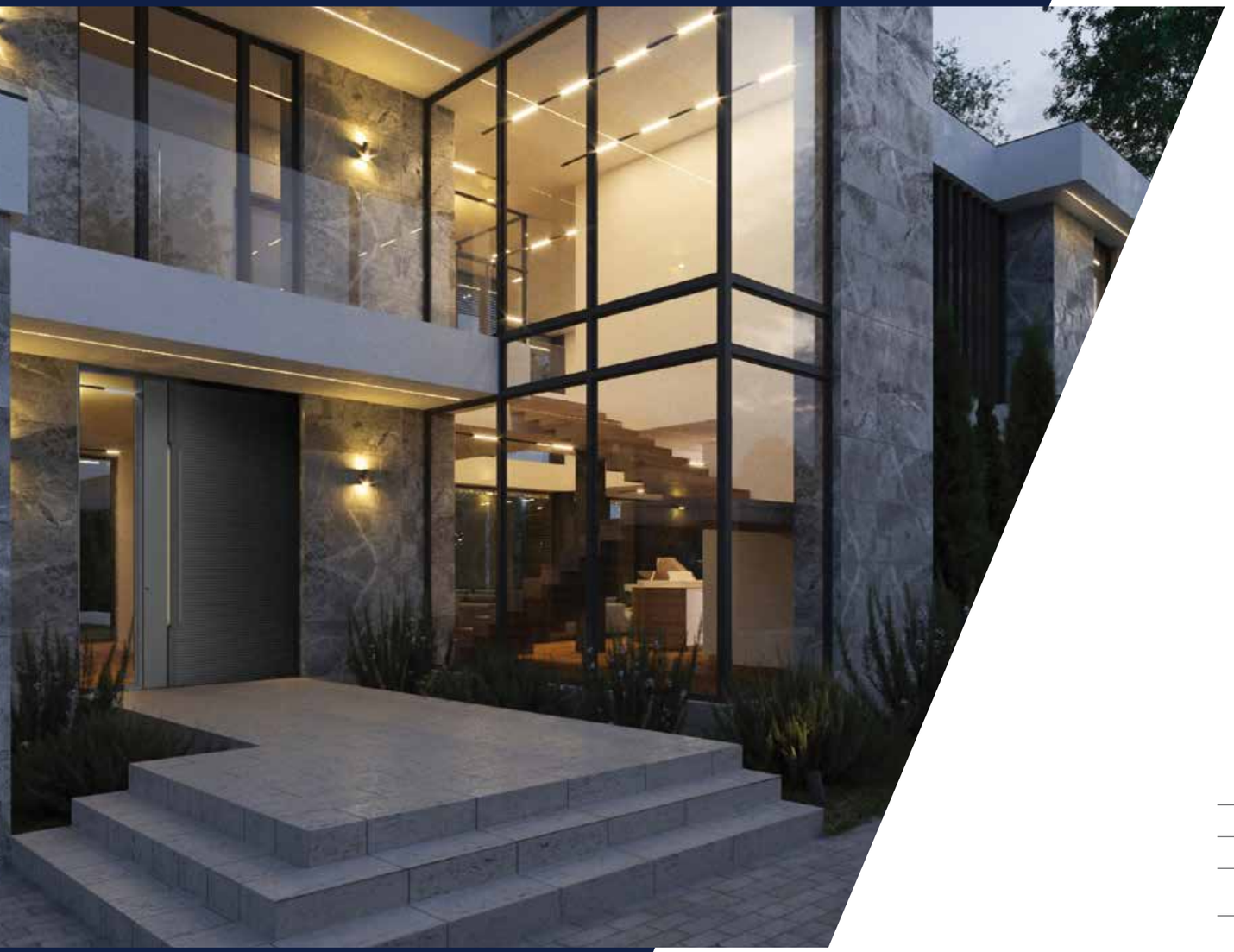
The **PD03** model stands out with its design in exemplary shades of grey, complemented by stylish accessories and decorative elements. Its hallmark is the precisely executed regular horizontal milling, which makes the **PD03** an ideal match for buildings where horizontal lines or embossments are a defining feature of the façade or garage doors.

This model allows for a broader selection of pull handles from our standard collection, enhancing customisation options. Featured with the original PQ WE 26 square pull handle, the PD03 combines ease of use with comfort. Additionally, it supports the integration of electronic features, expanding its functionality and appeal:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a microswitch.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 7021
SURFACE DETAILING	Precision-milled elements
PULL HANDLE	PQ WE 26 RAL 9005 colour, size: 40 × 20 mm, L-2000 mm
DOOR ROSETTE	RS 20, black



PD04 VERTICAL TOUCH

LINEAR SOPHISTICATION AND DEPTHTHE



The **PD04** model seamlessly integrates into contemporary design schemes, showcasing the technological prowess of creating uniform horizontal embossments on the aluminium panel. This effect adds a dynamic texture, enhancing the door's visual appeal.

The design is accentuated with a vertically positioned PZL pull handle, finished in black. This innovative handle technology allows for customisation to the door's height and installation in a clamp-like form, further offering the capability to incorporate electronic features, merging aesthetic appeal with functional sophistication:

- LED backlighting, available in warm or cold white colours.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 7021
SURFACE DETAILING	Horizontal milling
PULL HANDLE	PZL pull handle matching panel height, 9005 colour, L-3000 mm
DOOR ROSETTE	RS 20, black



PD05 ASYMMETRIX

DISTINCTIVE GEOMETRY AND STYLE



The **PD05** model captivates with its geometric design, making it a standout choice for those seeking something beyond the ordinary. The irregular milling across the door panel, paired with the light hue of the aluminium, bestows a distinctive appearance upon this door. The asymmetrical pattern serves as an exquisite feature, ideally suited for audacious decor styles.

Enhancing the door's allure, the integrated PWZ pull handle features a unique design highlight at its midpoint.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 9007
SURFACE DETAILING	Precision-milled elements
PULL HANDLE	PWZ
DOOR ROSETTE	RS 20, RAL 9007



PD06 STELL TOUCH

METALLIC FUSION WITH ACCENTS



The **PD06** stands out with its sophisticated palette, where metallic hues merge seamlessly with undertones of rust, brown, and black, creating captivating visual transitions. The door's infill, adorned with quartz sinter, exudes elegance due to its precise finish and the luxurious double-gloss effect. Not only are these exterior doors built to last, offering exceptional durability and weather resistance, but they also maintain their beauty with minimal effort, thanks to their easy-to-clean surface.

The design is artfully punctuated with black details, including 3D bars and the sleek, black rectangular PS 10 CD pull handle, enhancing its sophisticated look.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a touch sensor,
- a microswitch.

Maximum size up to 1450 × 3150 mm

MATERIAL	Aluminium | Quartz sinter
COLOUR	RAL 9005 | Steel
SURFACE DETAILING	Black 6 × 6 mm
PULL HANDLE	PS 10 CD, RAL 9005, L-1200 mm
DOOR ROSETTE	RS 20, black



PD08 LINEO HARMONY

VERTICAL GRACE



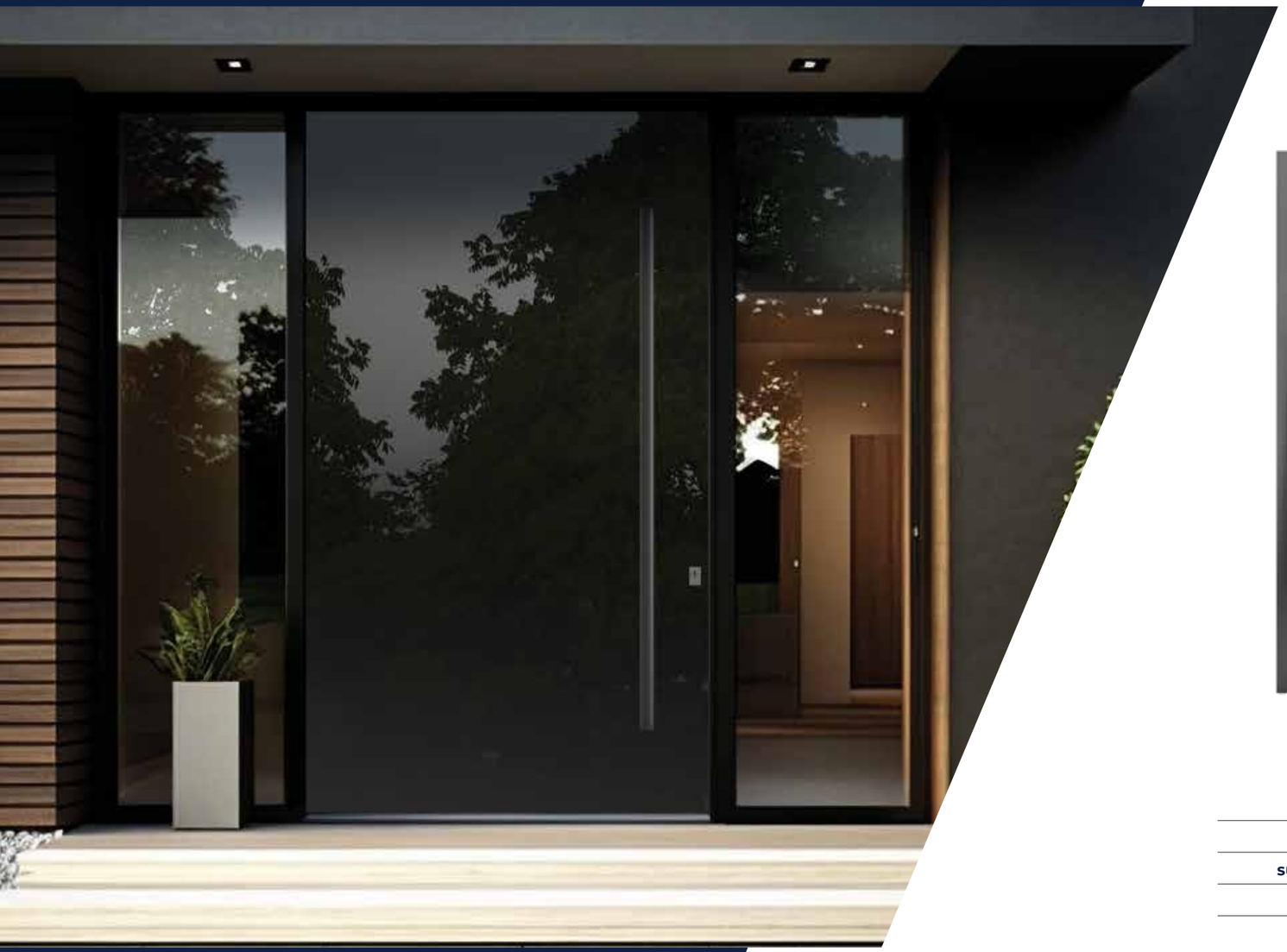
The **PD08** model showcases the sophistication of vertical lines, creating a harmonious and deep visual composition. Fashionably finished in the Winchester shade, the 3D lamellas set against the black aluminum infill surface are designed to satisfy the most discerning clients.

This model's distinctive character is further highlighted by the seamlessly integrated PZV pull handle, which spans the entire height of the infill. Merging perfectly with the lamellas' arrangement, it enhances the door's cohesive and functional aesthetic.

Maximum size up to 1950 × 2950 mm

MATERIAL	Aluminium
COLOUR	RAL 9005 underneath the 3D lamellas
SURFACE DETAILING	Vertical 3D lamellas finished in the Winchester shade
PULL HANDLE	PZV L - 3000 mm integrated in the panel, RAL 9005
DOOR ROSETTE	RS 20, black





PD09 GLASS ELEGANCE

GLASS HARMONY AND SOPHISTICATION



The **PD09** model embraces the boundless possibilities of glass, featuring a design crafted from a vast sheet of black glass. This innovative approach suits both grand, monumental buildings and cozy, detached homes alike. The black glass panel captivates with its deep color, harmoniously integrating into various settings. Its distinctive design effortlessly enhances the luxurious elements and details within a home's interior, providing a statement of sophistication.

Equipped with the integrated PWZ pull handle, this door model further accentuates the minimalist elegance of its design.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a microswitch.

Maximum size up to 1950 × 2950 mm

MATERIAL	Painted glass
COLOUR	Black
SURFACE DETAILING	—
PULL HANDLE	PWZ, RAL 9005 , L-2200 mm
DOOR ROSETTE	61421 black



PD10 PWZ — ABU DHABI ELEGANCE

COMBINATION OF DECORATIVE QUARTZ SINTERING
WITH A MINIMALIST PULL HANDLE



The **PD10** PWZ model introduces an exquisite infill crafted from quartz sinter, adorned with distinctive gold patterns. This design features the elegant Abu Dhabi White sinter, harmoniously paired with a minimalist white PWZ pull handle that supports the incorporation of electronic functionalities. This innovative pairing underscores the model's raw aesthetic while simultaneously elevating its utility with contemporary conveniences.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a microswitch.

Maximum size up to 1450 × 3150 mm

MATERIAL	Quartz sinter
COLOUR	ABU DHABI WHITE
SURFACE DETAILING	—
PULL HANDLE	PWZ, RAL 9016, L-2200 mm
DOOR ROSETTE	RS 20, white



PD11 MODERN WOOD CRAFT

CONTEMPORARY WOODEN CHARM



The **PD11** model, with its Winchester-coloured wood-effect finish, presents an exceptionally striking appearance. Crafted to cater to both aficionados of classic styles and enthusiasts of modern, minimalist façade designs, this model skillfully mimics the warm, inviting look of real wood. Enhanced with subtle surface details and accented with a contemporary PWZ2022 pull handle in sleek black tones, the door transcends traditional aesthetics, embodying a modern elegance that promises to resonate with a wide array of tastes.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours,
- a microswitch.

Maximum size up to 1950 × 2950 mm

MATERIAL	Aluminium
COLOUR	ADEC W645 Winchester
SURFACE DETAILING	Black 6 × 6 mm
PULL HANDLE	PWZ 2022, RAL 9005, L-500 mm
DOOR ROSETTE	RS 20, black





PD13 ELEGANT GRIP

SLEEK DESIGN WITH INTEGRATED FUNCTIONALITY



The **PD13** model exemplifies minimalist elegance, featuring a prominent hand pull that seamlessly integrates with the infill's color scheme, enhancing its sophisticated appeal. This model is a testament to minimalist design principles, boasting a large, flat door panel in deep black that epitomises sleek simplicity.

The PZD pull handle, extending the full height of the door, not only contributes to the door's distinctive look but also ensures ease of use. An exceptional detail is the natural oak finish of the pull handle, which harmonises beautifully with wood-effect façade materials, making this door an ideal choice for designs that incorporate natural textures.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours,
- a microswitch.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 9005
SURFACE DETAILING	—
PULL HANDLE	PZD matching panel height, RAL 9005, Maximum length of the pull handle: 3000 mm
DOOR ROSETTE	RS 20, black





PD14 SLEEK GLASS

CLEAR DESIGN AND MINIMALISM



The **PD14** stands out with its minimalist design, perfectly suited to the expansive surface of the door panel. This model emphasises a tall, vertical glazing, gracefully framed with subtle milling at both the top and bottom, lending a refined finish.

It offers the flexibility to choose from a wider selection of pull handles from our standard collection, ensuring a match for any aesthetic preference. Equipped with the PQ10 40×20 pull handle, this door model also accommodates a broad array of electronic enhancements:

- LED backlighting, available in warm or cold white colours,
- a fingerprint reader,
- a microswitch.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	RAL 7016
SURFACE DETAILING	Precision-milled elements / Satinovo
PULL HANDLE	PQ10 40x20mm, stainless steel, L-2200 mm
DOOR ROSETTE	RS 20, RAL 7016



PD17 **INNOVATIVE**

INNOVATIVE ELEGANCE AND TECHNOLOGY



The **PD17** model masterfully merges multiple decorative elements into a singular, cohesive pattern, underpinned by advanced technological solutions. This design incorporates elegant horizontal milling alongside a subtle recess within the panel's surface. When paired with the vertical convex detailing, these features come together to form an original and highly functional door pull handle.

This model also offers the option to incorporate electronic functionalities within the pull handle:

- LED backlighting, available in warm or cold white colours.

Maximum size up to 1950 × 3400 mm

MATERIAL	Aluminium
COLOUR	DB703
SURFACE DETAILING	Milling, vertical and horizontal detailing, RAL 9007
PULL HANDLE	Integrated, RAL 9007, L-400 mm
DOOR ROSETTE	RS 20, RAL 9007