



PRODUCT CATALOG

DOORS AND WINDOWS SYSTEM CUSTOMIZATION



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ALUMINIUM
WINDOW
SERIES

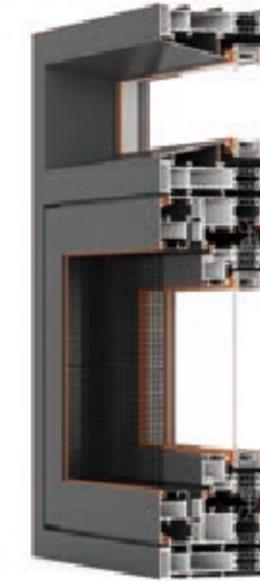




115 Aluminum Casement Window specification



	U-Value	1.4 W/ m2-K Level 8 0.246 BTU/h·ft2·°F Level 8
	Air Leakage	$q_2 \leq 0.01$ Level 9
	Water Tightness	1000pa Level 8
	Wind Resistance	4500pa Level 8
	Sound Insulation	40dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	30mm Double Glazed (5+20A+5mm)
	Profile Depth	Frame:115mm Swing Glass Panel:71mm
	Sightline Width	Glass Frame:30mm Screen Frame:48mm
	Max size <small>(Swing Panel)</small>	90Kg H:1500mm W:900mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





HIGH STANDARD EQUIPMENT

All our aluminium windows offer individual designs, benefitting from high performance, security, and build quality with following standard specification:

- Minimalist design handle convey a polished modern presence in the space.
- EPDM tape utilizes the theory of pressure balance to realize dry-type sealing with excellent performance of heat insulation, winter protection and sound insulation
- Seamless transition from inside to outside is achieved by the unique oblique design.
- Slimline high light transmission screen to prevent insects without blocking the view.
- Multi-point lock system and fall protection system
- The hinge comes with a custom holder to replace the directly screw on the frame. Hinge fixed by and screwed on holder placing inside the frame to avoid corrosion and slack of screws, therefore improving the security.



MINIMALIST HARDWARES

The handle has a unique surface treatment and comes with a variety of color options. With so many different colors option it can seamlessly fit into any home with a different design. Providing a more holistic view of the house.

The handle operates smoothly and quietly, without squeaky sounds when opening and closing the door offering an enjoyable living environment of quiet and comfort.





90 Aluminum Tilt & Turn Window specification

	U-Value	1.24 W/ m2-K Level 8 0.218 BTU/h-ft2-°F Level 8
	Air Leakage	$q_2 \leq 0.01$ Level 9
	Water Tightness	1000pa Level 8
	Wind Resistance	4500pa Level 8
	Sound Insulation	40dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	30mm Double Glazed (5+20A+5mm)
	Profile Depth	Frame:90mm Swing Glass Panle:90mm
	Sightline Width	Frame:37mm Swing Frame:60mm
	Max size (Swing Panel)	100Kg H:2000mm W:900mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





72 Aluminum Casement Window specification

	U-Value	1.4 W/ m2·K Level 8 0.246 BTU/h·ft2·°F Level 8
	Air Leakage	$q_2 \leq 0.01$ Level 9
	Water Tightness	1000pa Level 8
	Wind Resistance	4500pa Level 8
	Sound Insulation	40dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	30mm Double Glazed (5+20A+5mm)
	Profile Depth	Frame:72mm Swing Glass Panle:72mm
	Sightline Width	Frame:48mm Swing Frame:30mm
	Max size (Swing Panel)	90Kg H:1500mm W:900mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





AGON & LOW-E GLASS

High-Performance Glazing Technology

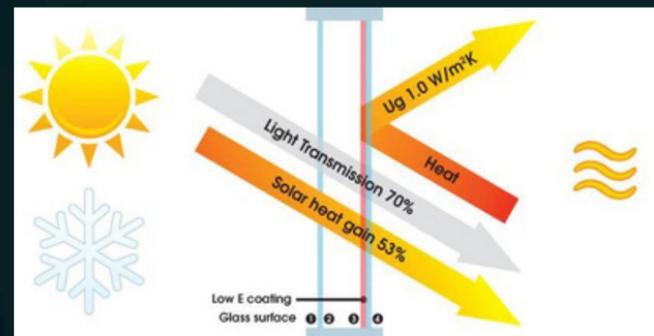
We don't just focus on the frame; we engineer the glass. To ensure your home remains comfortable and energy-efficient, we utilize a sophisticated double-pane system:

Argon Gas Integration

- Enhanced Insulation: We insert Argon Gas—a naturally occurring, non-toxic gas that is denser than air—between our glass panes.
- Thermal Barrier: This density significantly improves thermal insulation, preventing the transfer of outdoor temperatures into your home.

Low-E (Low-Emissivity) Coating

- Radiant Heat Shield: Our Low-E glass features a microscopic coating that reflects radiant heat.
- Seasonal Comfort: In the summer, it reflects external heat away; in the winter, it keeps your indoor warmth where it belongs—inside.
- Draft Elimination: By bringing the glass temperature closer to room temperature, we eliminate the uncomfortable air currents and drafts common in standard doors.



THERMALINSULATED PROFILE & SEALING STRUCTURE

Drake Doors' thermal break window profile consists of extruded aluminum, where a "channel" is cut through the aluminum, and polyurethane is poured into this channel to separate the interior from exterior extrusion. This process is done to reduce thermal transfer and improve energy efficiency.

A unique profile structure design, combined with four layers of sealing strips, making a three-way sealing system in reality.





Minimalist Design

Minimal frame , Boundless vision



Open Living Concepts

For Maximum Natural Light



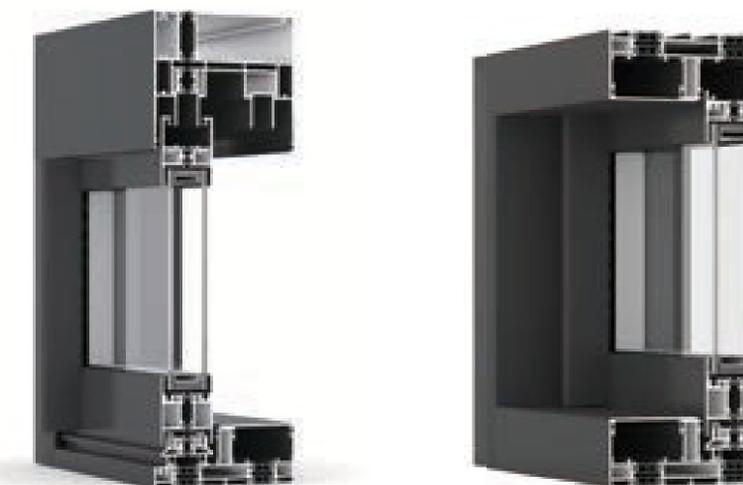
ALUMINIUM
PATIO DOORS



138 Minimalist Sliding Aluminum Door specification



	U-Value	1.79 W/ m ² ·K Level 7 0.316 BTU/h·ft ² ·°F Level 7
	Air Leakage	q ₂ ≤ 1.5 Level 6
	Water Tightness	400pa Level 5
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	40mm Double Glazed (6+27A+6mm)
	Profile Depth	Frame:138mm Sliding Glass Panel:50mm
	Sightline Width	Frame:50mm Sliding Frame:30mm
	Max size (Sliding Panel)	500Kg H:5500mm W:2500mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





MINIMALIST SLIM 35MM SIGHTLINE

Specially Designed To Reach 25mm

Our double-glazed minimal sliding door system is a virtually frameless, easy-to-operate aluminum sliding system, with a greatly-reduced 30mm leaf profile. The oversized sliding sections, up to 5.5 meters in height, are set in virtually invisible frame profiles, allowing you to enjoy unobstructed views.

Elevate your spirit with breath-taking sea views, twinkling city nightscapes, or natural landscapes and gardens.

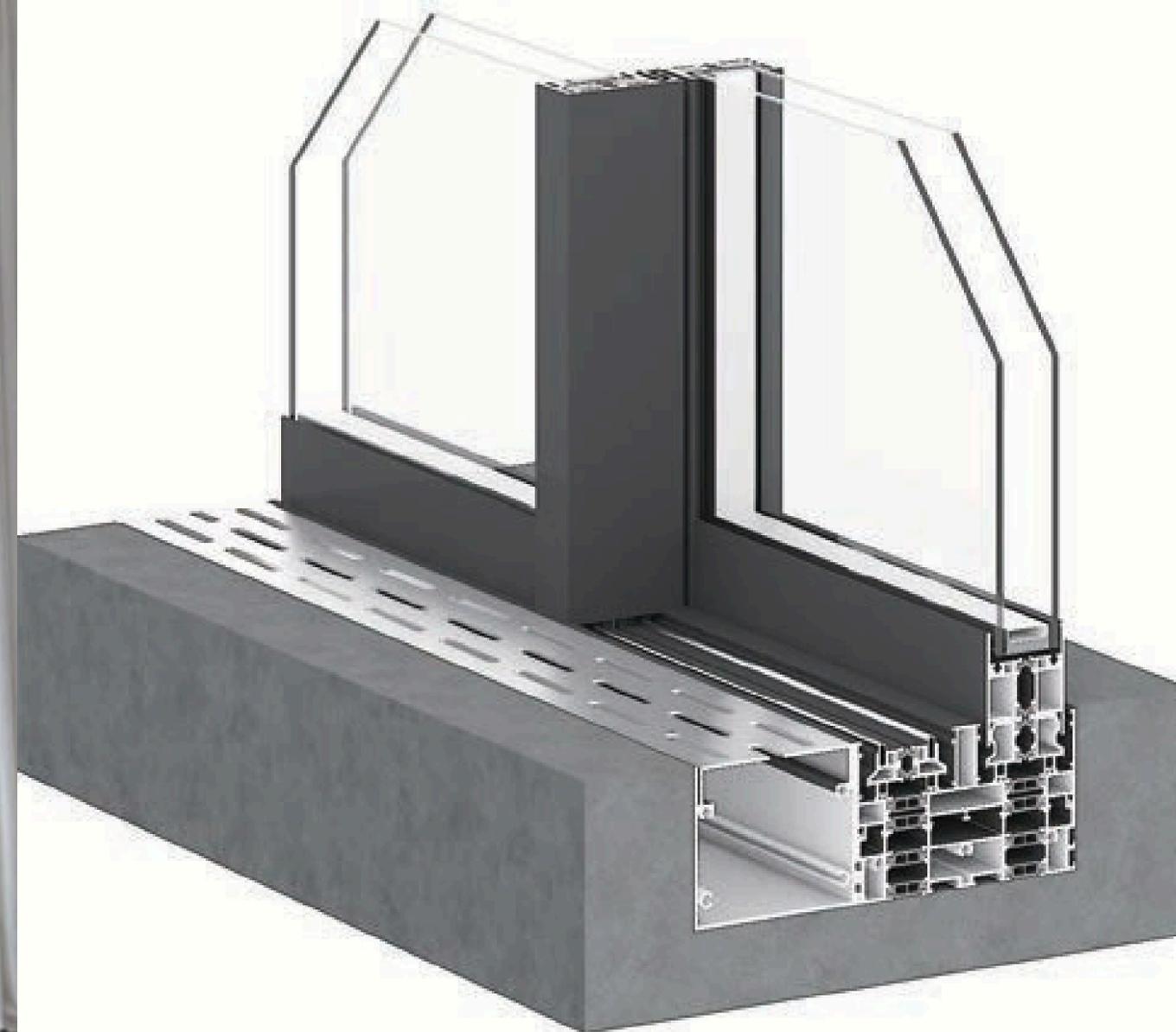


FITTED FLUSH- TO-FLOOR

The entire perimeter of the outer frame can be recessed into walls, ceilings and floors. When open, a no-threshold transition from interiors to the exteriors is created.

CONCEALED DRAINAGE

Effective drainage is achieved with a specially designed, integrated aluminum hollow chamber. And concealed drainage gutter with a stainless-steel covers.





75 Minimalist Bifold Door specification

	U-Value	1.86 W/ m ² ·K Level 7 0.321 BTU/h·ft ² ·°F Level 7
	Air Leakage	Q ₂ ≤ 1.5 Level 6
	Water Tightness	550pa Level 6
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	30mm Double Glazed (5+20A+5mm)
	Profile Depth	Frame:75mm Swing Glass Panle:65mm
	Sightline Width	Frame:35mm Swing Frame:45mm
	Max size (Single Panel)	140Kg H:2800mm W:900mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





AUTOMATIC REBOUND LATCH

- > The patented automatic rebound latch enables the door leaf to be effortlessly inserted into the track and automatically secured, enhancing the convenience of opening and closing operations.



EXCELLENT CAPABILITIES

- > This high performance system offers enhanced features, as well as a minimal design, high insulation and functionality with hardware that have specifically been designed for folding systems.
- > Able to open inward or outward door with locking system.
- > Possibility of even number of openings (2, 4 etc.)
- > In and outward opening using the same profiles.



150 Lift and Sliding Door specification



	U-Value	1.74 W/ m2·K Level 7 0.306 BTU/h·ft2·°F Level 7
	Air Leakage	$q_2 \leq 0.2$ Level 8
	Water Tightness	720pa Level 6
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Aluminum Profile & Thickness	6063-T5 Aluminum 2.0 mm
	Glazing	40mm Double Glazed (6+27A+6mm)
	Profile Depth	Frame:150mm Sliding Glass Panle:57mm
	Sightline Width	Threshold:33mm Sliding Frame:82mm
	Max size <small>(Single Panel)</small>	350Kg H:3000mm W:2500mm
	Security	Multi-point lock
	Colours	PVDF Black / White / Gray or Custom Colors





AAMA CW CLASS LIFT & SLIDING DOORS

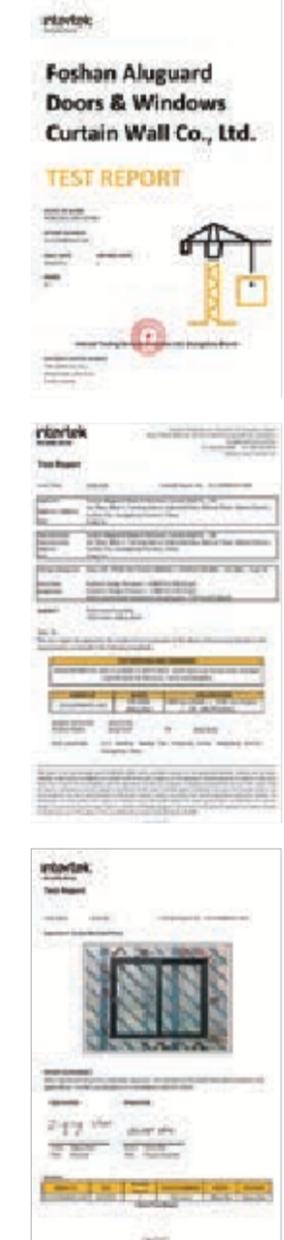
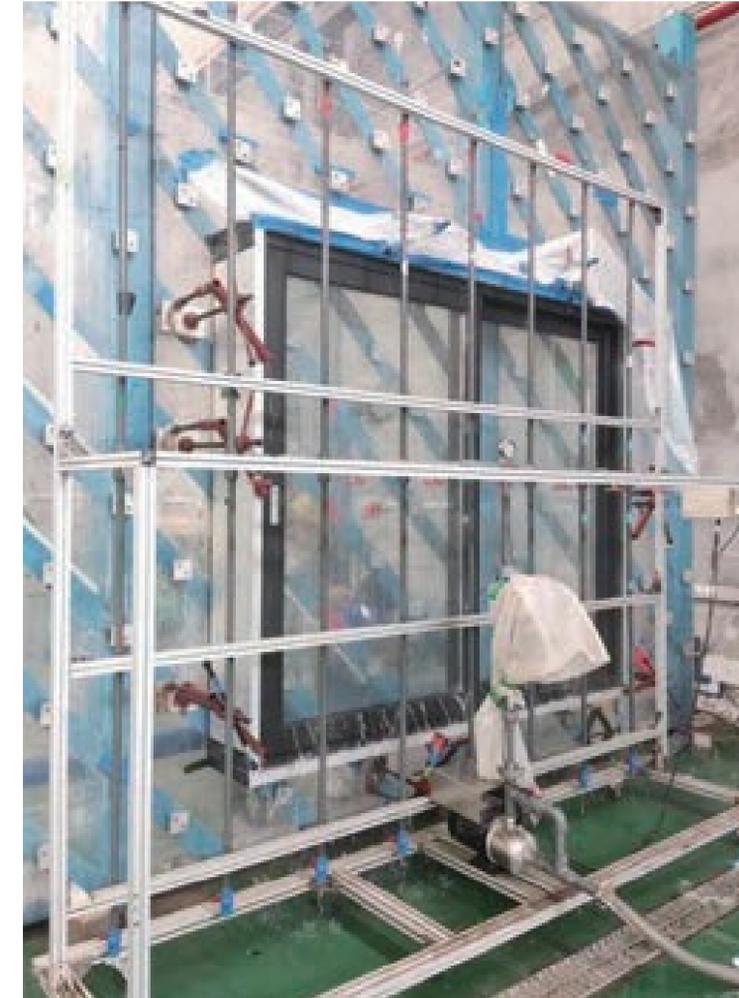


Our 150 heavy-duty aluminum alloy patio sliding door that has passed the AAMA CW-level test, which means it has excellent water resistance of more than 720pa.

This makes it more suitable for outdoor use, as it can withstand harsh weather conditions and provide a smooth and effortless sliding experience.

Our patio sliding door also features a sleek and modern design that can enhance the beauty and value of your home. Whether you want to enjoy the natural light, fresh air, or scenic views, our patio sliding door can offer you the best of both worlds. Contact us today to find out more about our product and how we can help you create your dream outdoor space.

AAMA CW CLASS SLIDING DOOR TEST





ALUMINIUM ENTRANCE
PIVOT DOORS



**Doors to make the
best impression**

- 🔧 10 Year Warrant
- 🔧 Fully flush profile internally and externally
- 🔧 Pivot entrance doors available in any of our door designs
- 🔧 Vast range of colours and finishes including aluminum, stone and specialist glass options
- 🔧 Laminated security glass as standard in triple and quadruple units
- 🔧 Custom design service available to create a door unique to you



120 Ultra Aluminum Pivot Doors specification

	U-Value	1.68 W/ m2·K Level 7 0.295 BTU/h·ft2·°F Level 7
	Water Tightness	720pa Level 7
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Max size (Single Panel)	800Kg H:8000mm W:3000mm
	Security	Multi-point lock



Thermal Broken Aluminum Profile



Perfect Pivot Sealing



AUTOMATIC REBOUND DROP SEALING

As your door gracefully closes, our innovative sealing strip descends effortlessly, forming a dual barrier against the elements. With each opening, it ascends just as smoothly, ensuring unobstructed entry and exit while maintaining the integrity of your home's security and energy efficiency. Experience the future of home protection with our automatic sealing technology today.



THERMAL INSULATED & ENERGY SAVING

When your door closes, advanced hidden seals automatically descend, compressing against the track to create a dual cavity seal.

This ingenious design effectively blocks air and water infiltration, ensuring energy efficiency and thermal insulation. Not only does it save on energy costs by keeping the warmth in and the cold out, but it also significantly reduces noise pollution, creating a peaceful sanctuary right at your doorstep. With our doors, you're not just making an entry - you're securing a fortress of comfort and tranquility.



85 Aluminum Entrance Pivot Doors specification

	U-Value	1.93 W/ m2·K Level 7 0.339 BTU/h·ft2·°F Level 7
	Water Tightness	350pa Level 5
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Max size (Single Panel)	400Kg H:4200mm W:2000mm
	Security	Multi-point lock



75 Glass Pivot Doors specification

	U-Value	1.96 W/ m2·K Level 7 0.345 BTU/h·ft2·°F Level 7
	Water Tightness	350pa Level 5
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Max size (Single Panel)	300Kg H:3000mm W:2000mm
	Security	Multi-point lock





High Standard Equipment Entrance Hinged Doors

All our aluminium doors offer individual designs, benefitting from high performance, security, and build quality, with the following standard specifications.

High performance insulated core with laminated safety and heat protection triple glazing 3 point automatic stainless steel lock with integrated and adjustable lock receiver. Stainless steel handrail 1200mm long with straight or angled fixings. Three-piece hinge (Standard, Modern) Security cylinder with keys included Standard dimensions up to 1000 x 3000mm (larger sizes available subject to surcharge)



Door handle with lock



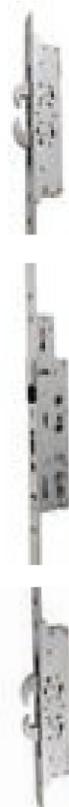
Safety profile key cylinder



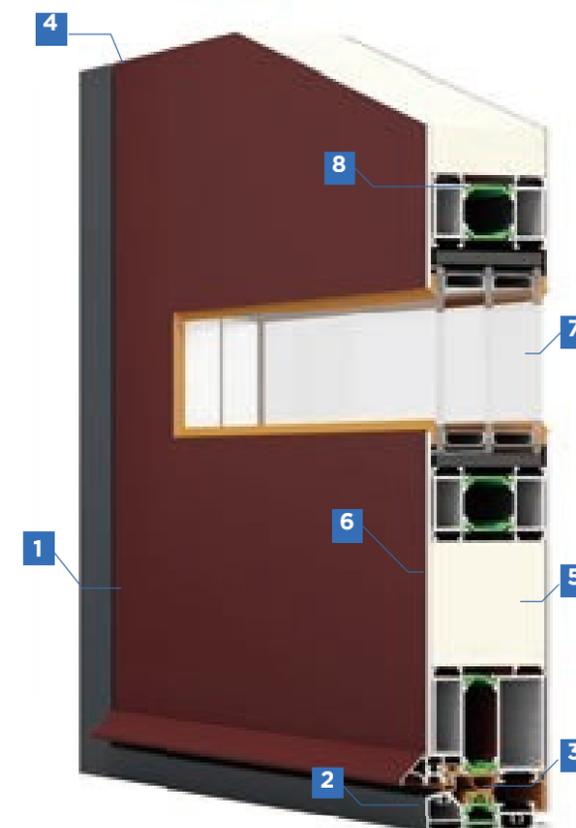
Handrail with straight fixing



Concealed Hinges



Security three-fold lock



The Heart of the Door

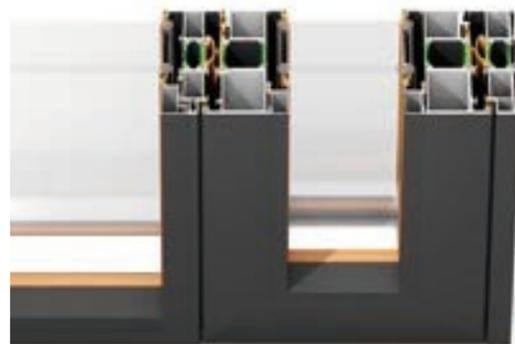
All our aluminium doors offer individual designs, benefitting from high performance, security, and build quality with the following standard specification.

- 1 Fully flush frame and sash
- 2 Low level thermally broken access threshold Disabled access compliant
- 3 High performance weather seal and connector
- 4 Frame edge profile designed for concealed fixing strap system
- 5 High performance insulated core
- 6 3mm thick aluminium outer face
- 7 Triple glass safety and low energy insulated glazing
- 8 High performance insulated thermal break



75 Glass French Doors specification

	U-Value	1.74 W/ m2-K Level 7 0.306 BTU/h-ft2.°F Level 7
	Water Tightness	720pa Level 7
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Max size (Single Panel)	150Kg H:3000mm W:1000mm
	Security	Multi-point lock



85 Aluminum Entry Doors specification

	U-Value	1.71W/ m2-K Level 7 0.301 BTU/h-ft2.°F Level 7
	Water Tightness	720pa Level 7
	Wind Resistance	4000pa Level 7
	Sound Insulation	36dB Level 7
	Max size (Single Panel)	200Kg H:4000mm W:1000mm
	Security	Multi-point lock



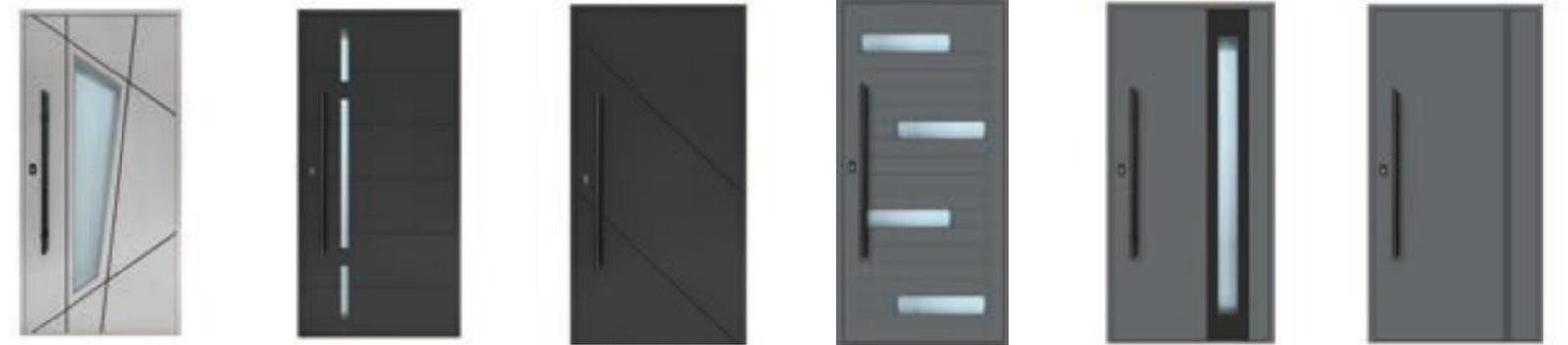
Glass series

Entrancedoor



Aluminum series

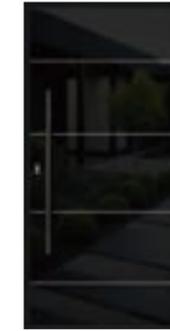
Entrancedoor



WOODEN^{Series}
Entrancedoor



ART^{Series}
Entrance door



STONE^{series}
Entrance door



Concealed^{series}
Entrance door



Design your door

We can customize and develop products according to customer needs and requirements.

DIGITAL SMART ENTRY SYSTEM

Face recognition, password recognition, fingerprint recognition, NFC function, app control, doorbell, video call, you have it all in one system.



HANDLE COMBINATION



CONCEALED SQUARE HAND



SAFETY CYLINDER

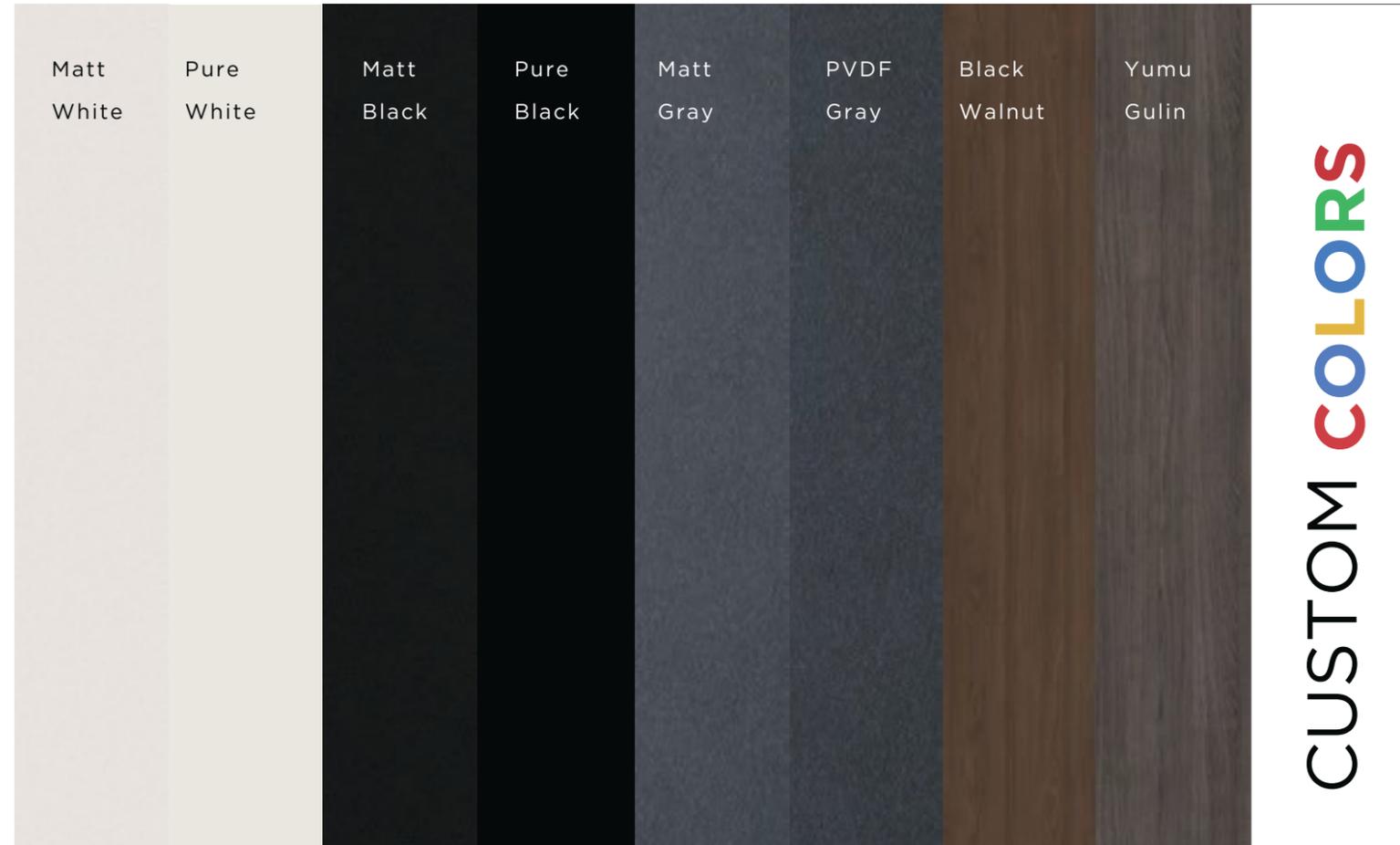


LINKAGE LOCK



COLOUR FINISHES

Nothing limits you



APPLICATIONS GROOVES



5mm stainless steel bar

10mm stainless steel bar

5mm Grooves

10mm Grooves

GLASS OPTION



Transparent glass



Frosted glass



Coated glass



Mirror glass