

NEW
PIVOT DOORS



Great British Doors



Welcome home

Thank you for showing an interest in our Fortis Aluminium Ltd D72 door range. Our goal is to simplify the purchase of our new door whilst retaining the ability to add individual touches. With a vast amount of aluminium door experience, extensive research, development and testing we have put together what we feel is a perfect specification of door for the UK market. The Fortis D72 range offers fantastic levels of security, impressive thermal efficiency and benefits from the latest mechanical and electronic access technology.

Aesthetics are hugely important when it comes to your home entrance. All Fortis doorsets are supplied with a one-piece frame to minimise weak points and cumbersome frame connections. The D72 has a flush door to frame transition giving a perfect, clean and contemporary appearance. Our designers have put together a range of doors that will suit every type of property. Our factory is well equipped and our production line is efficient meaning we can offer flexibility in design and in a reasonable time frame. If you want us to create a completely bespoke door, handle or change any design to suit your vision - we can usually do it within our proven test parameters.

We take immense pride in the production of Fortis doors. Each stage of the production is carefully carried out and signed off by an individual engineer. We carry out a full pre-delivery inspection on every door that leaves the factory. The Fortis team are vastly experienced in the aluminium door, garage door and automation/access control sectors with 40 years combined experience. We look forward to supplying your new door.





Fortis Doors

Great British doors

Fortify and protect your home with style.

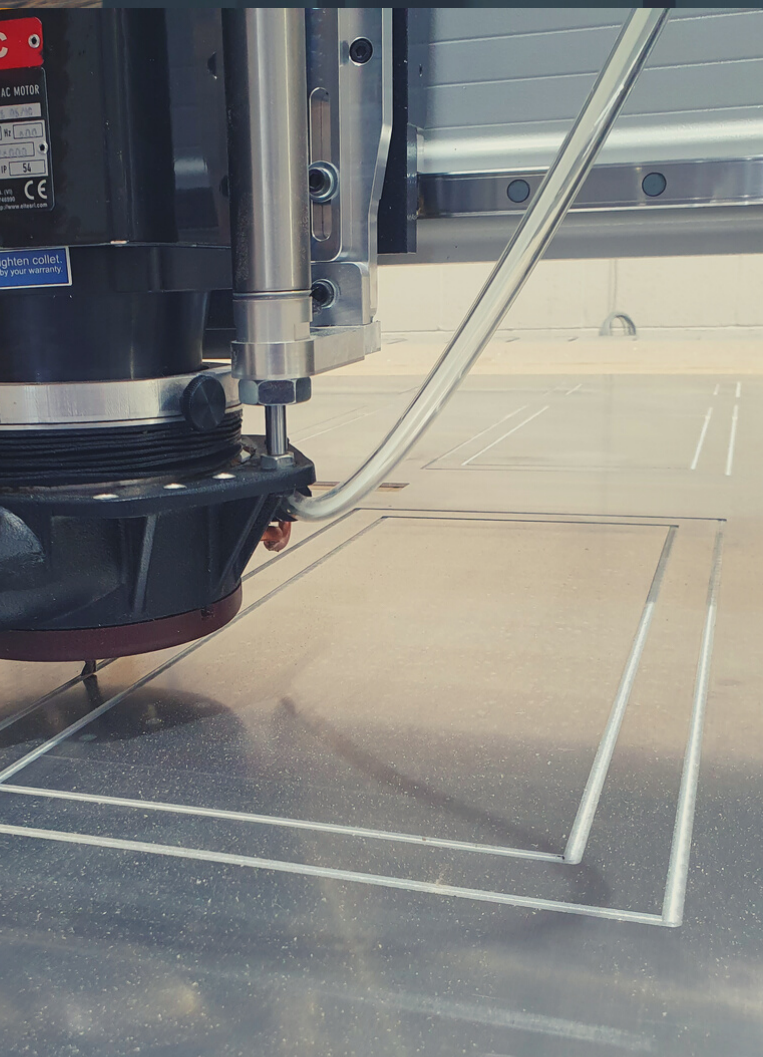
Fortis Aluminium are proud to manufacture our range of energy efficient, high security door systems in **Great Britain**. We source over 90% of our components in the UK resulting in less transport and a lower carbon footprint compared to European aluminium door systems. Function and form are key in our design and manufacturing process to ensure that each door we produce in our Leicester factory will last for years to come.

Engineering excellence

Only the highest grade materials are good enough for a Fortis door. Our doors are engineered to last and withstand the toughest of environments. Every small detail of every single door we produce is considered and perfected. Our doors are all hand made in our purpose built factory from marine grade, corrosion resistant alloys, 304 and 316 grade stainless steel and argon filled, high security triple glazing as standard.

Cutting edge technology

Technological advancements don't just feature in our door control systems, biometrics and smart home integration. Fortis are always pushing boundaries and using the best alloys, finishes to Qualicoat standards, Low-E sealed units with high security ratings, thermally efficient profiles and super insulated cores. As a factory solely building our doors by hand, we have the ability to integrate, learn and change our processes to ensure our doors are always cutting edge.



D72 aluminium door



Each door is made to order to your exact specification to suit your design requirements. With Fortis, you get more as standard from our flush fitting profiles to our marine grade stainless steel hardware.

A D72 Aluminium door is designed to give outstanding levels of security with **PAS24:2016 Enhanced security for doorsets** accreditation. Furnished with multi-point Secured by design locking, high security BS TS007 3* rated lock cylinders and laminated, argon filled triple glazed glass units with warm edge spacer bars.

There's no room for compromise, that's why all of our doors are built with the following components:



PAS24
Enhanced security performance for doorsets



304/316 Fittings

Marine grade handles and hardware. Internal and external handles are built to the highest standard and intensively salt spray tested.



High security locks

Multi-point **7 point lock** system as standard. FUHR lock systems are world renowned as a market leader in lock technology.



High grade hinges

3-way **adjustable Rollband hinges** for heavy doors and intensive usage. Reduces need for frame extensions.



Thermal insulation

3mm 5000 series coastal grade aluminium plates sandwich 66mm of ultra dense insulating core material. **Triple glazed as standard**

The ultimate lock cylinder



ANTI-DRILL



ANTI-PICK



ANTI-BUMP



ANTI-SNAP



Our 3* star thumbturn cylinder provides the maximum level of lock security, offering un-paralleled protection against the most common methods of lock attack. Accredited with the British Kitemark, TS007 3* Star, Secured By Design and Sold Secure Diamond standards, the 3* thumbturn cylinder has been rigorously tested to withstand all known methods of attack such as lock snapping, bumping, picking, drilling and manipulation.



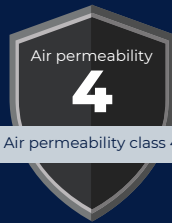
Enhanced security for doorsets

RC2 rated as standard. RC3 upgrade with dog bolts



Energy efficient - 0.71 W/m2K

On an oversized door 1230 x 2180 - U value of 0.87 W/m2K



Air permeability class 4

Multiple sealing gaskets give a Fortis D72 great results. Our air permeability and driving rain resistance performance speaks for itself



Class 9A against driving rain

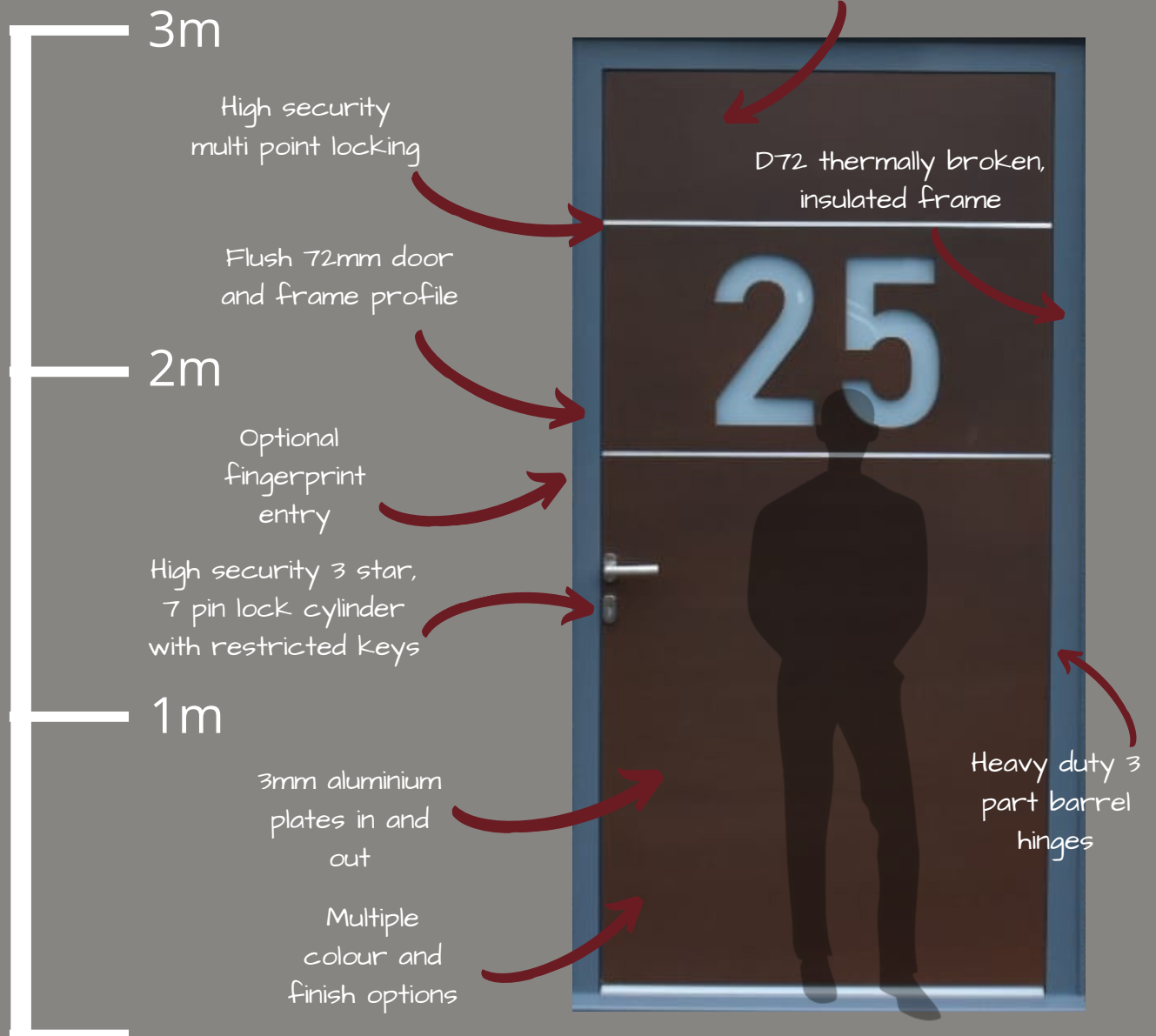


Warp resistant profiles

Split door profiles and incorporated slide in springs

Made to measure
doors up to 1.4m x 3m

Optional recessed handle
with or without LED



Smarthome Ready when specified with electronic locking.

Works with

Control4

LOXONE

CRESTRON

somfy.



Standard Colours

12 standard colour options including greys, blacks and metallic shades and limitless additional RAL, NCS, DB and Le Corbusier paint finishes.

RAL9016

RAL9010

RAL9006

RAL9007

RAL7015

RAL7016

RAL7021

RAL9005

RAL5011

RAL3003

RAL3004

DB703

Textures

Matt

A flat finish at 30% gloss. The perfect choice when matching windows

Fine Structure

Fine structure - Deep 3D appearance that repels finger prints



SD finishes

If you love natural timber but don't want the associated problems and maintenance then Fortis SD wood simulation finishes are the answer.

The wood effects are applied to our aluminium doors in the same method as the powder coat finishes, with the addition of the realistic wood colour and grain effect. Repetition of the grain is also very rare on our entrance doors due to the wood print technology we use.

New to the range are our Rust and Concrete effects. All finished to Qualicoat standards



Evolution finishes

Evolution finishes reflect the patinas caused naturally by metallic oxidation, ageing and changes in composition. Evolution is an exciting development in powder coating technology, creating beautiful and striking effects with additional low maintenance free benefits



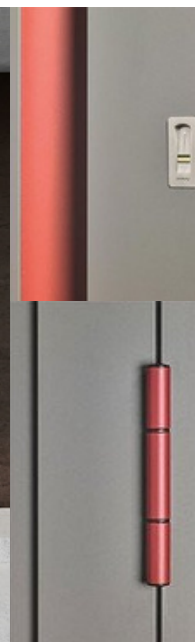


Le Corbusier Doors

"Colour in architecture is a tool as powerful as the floor plan. "

The door design is simple, clean and contemporary. Personalisation on the doors come by way of a splash of contrasting colour within the ergonomic, recessed pull handle. The colour accent continues internally with hinges matched to the handle. Our recessed handles and are insulated for thermal efficiency. Le Corbusier doors leave a lasting first impression.

Handle lengths: 300mm | 1/3 door height | Full door height



	32001	blanc
	32010	gris foncé 31
	32011	gris 31
	32012	gris moyen
	32013	gris clair 31
	32020	bleu outremer 31
	32021	outremer moyen
	32022	outremer clair
	32023	outremer pâle
	32024	outremer gris
	32030	bleu céruleen 31
	32031	céruleen vif
	32032	céruleen moyen
	32033	céruleen clair
	32034	céruleen pâle
	32040	vert anglais
	32041	vert anglais clair
	32042	vert anglais pâle
	32050	vert foncé
	32051	vert 31
	32052	vert clair
	32053	vert jaune clair
	32060	ocre
	32080	orange
	32081	orange clair
	32082	orange pâle
	32090	rouge vermillon 31
	32091	rouge pâle
	32100	rouge carmin
	32101	rouge rubia
	32102	rose clair
	32110	l'ocre rouge
	32111	l'ocre rouge moyen
	32112	l'ocre rouge clair
	32120	terre sienne brûlée 31
	32121	terre sienne brique
	32122	terre sienne claire 31
	32123	terre sienne pâle
	32130	terre d'ombre brûlée 31
	32131	terre d'ombre claire
	32140	ombre naturelle 31
	32141	ombre naturelle moyenne
	32142	ombre naturelle claire
	4320A	rouge vermillon 59
	4320B	blanc ivoire
	4320C	rose vif
	4320D	terre sienne brûlée 59
	4320E	noir d'ivoire
	4320F	vert olive vif
	4320G	vert 59
	4320H	gris 59
	4320J	terre d'ombre brûlée 59
	4320K	bleu outremer 59
	4320L	ocre jaune clair
	4320M	le rubis
	4320N	bleu céruleen 59
	4320O	gris clair 59
	4320P	terre sienne claire 59
	4320R	ombre naturelle 59
	4320S	orange vif
	4320T	bleu outremer foncé
	4320U	gris foncé 59
	4320W	le jaune vif

Les Couleurs® Le Corbusier front door combines superior materials, excellent functionality and maximum flexibility with the distinctive Le Corbusier colour spectrum. A standard high quality aluminium front door stands out for its resistance class RC 2 burglary protection, insulation values (UD) of up to 0.71 W/m²K, as well as sound insulation values up to class 3. Aluminium makes Fortis front doors particularly weather and corrosion resistant, which guarantees a long service life as well as smooth and easy use. The exclusive colours by Les Couleurs® Le Corbusier give your home a natural and architectural look. The 63 colours in the Le Corbusier palette are perfectly coordinated and create harmonious combinations. If you choose, you can add a fingerprint system or LED lighting in the handle strip to your Les Couleurs® Le Corbusier door.

Range: Reflection



I'm highly secure.
My glass is
laminated inside
and out.

Reflection: Our contemporary door range utilises highly secure glazed elements, thermally broken insulated frames and chassis to ensure maximum light admittance whilst retaining high security levels.



Pictured: Reflection F107 modified double doorset in RAL 7016 Fine structure with clear triple glazing.



Range: Reflection



F100



F101



F102



F103



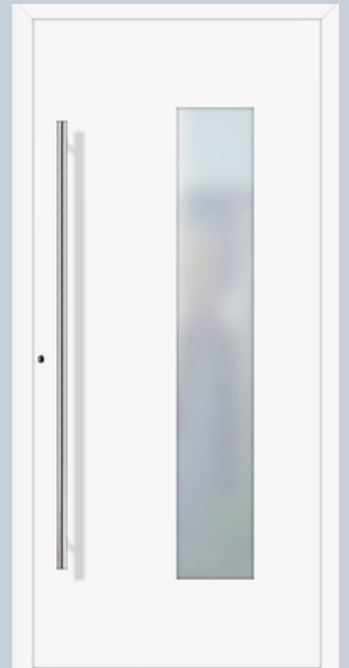
F104



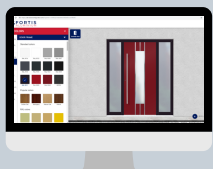
F105



F106

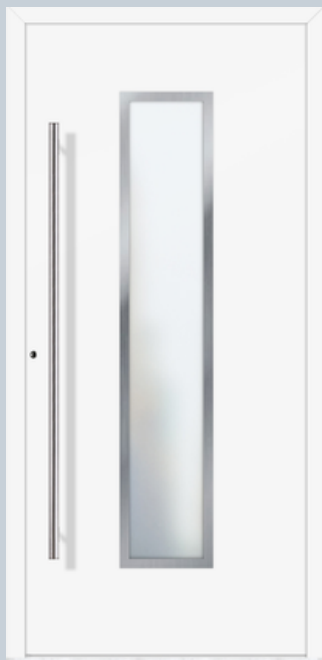


F107

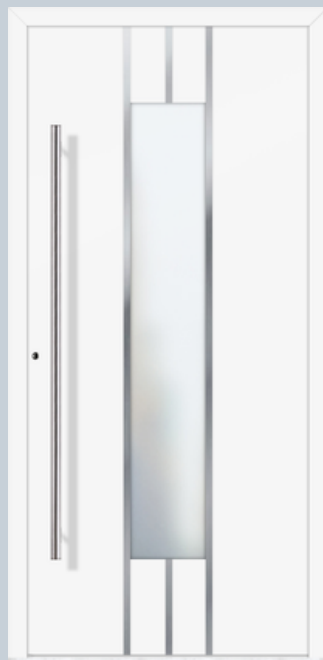


Design your dream door at **fortisal.co.uk**

Range: Reflection



F108



F109



F112



F110



F111

Fortis D72 doors are PAS24 tested and certified



Range: Reflection



F302



F200



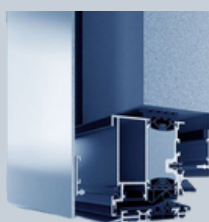
F201



F300

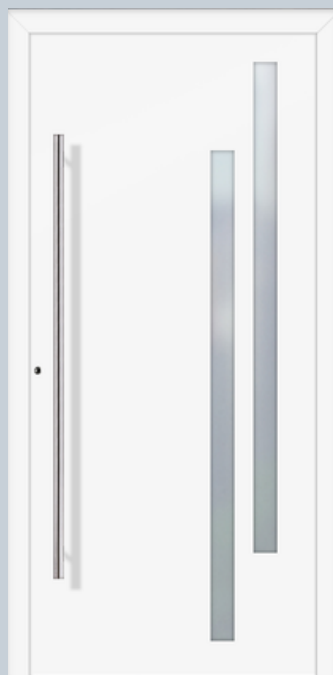


F301



Flush door / frame detail

Range: Reflection



F400



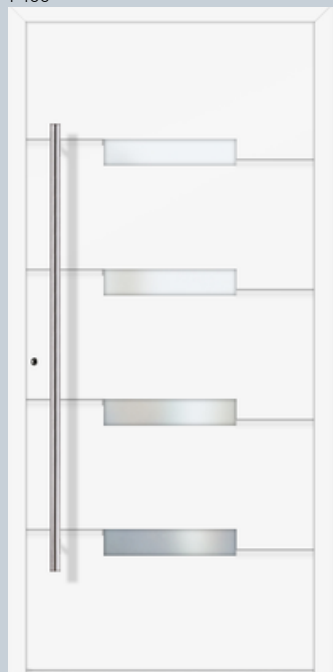
F401



F402



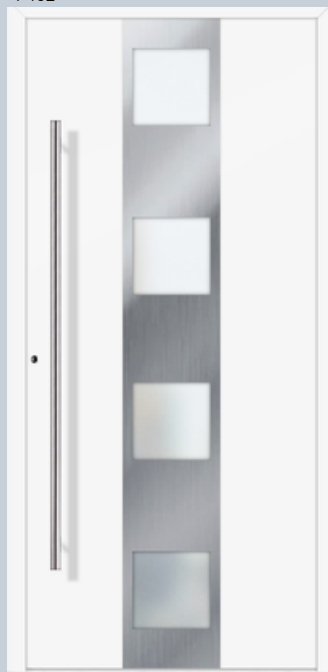
F500



F501



F600



F601



F602

Add fingerprint entry to your door



Range: Reflection



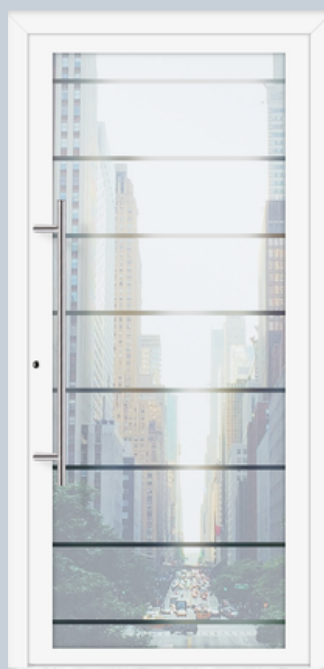
F603



F700



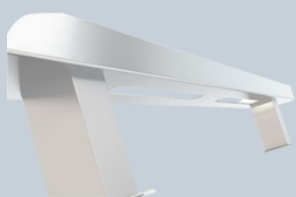
F701



F702



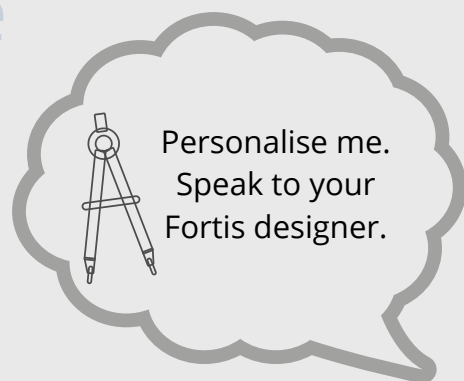
F703



Personalised bespoke handle options

Range: Pure

Pure: Design underlines simplicity and creativity. Following modern architectural trends representing many unique style accents to complement clean contemporary design.



Pictured: Pure F800 in RAL 1032 with Jet black frame and hardware and reeded glass.



Range: Pure



F800



F801



F802



F803



F804



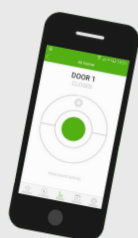
F805



F806



F807



App control for your front door with FortisBox

Range: Pure



Fortis doors are fitted with Secured by design TS007
3* high security lock cylinders as standard & 5 keys



Range: Pure



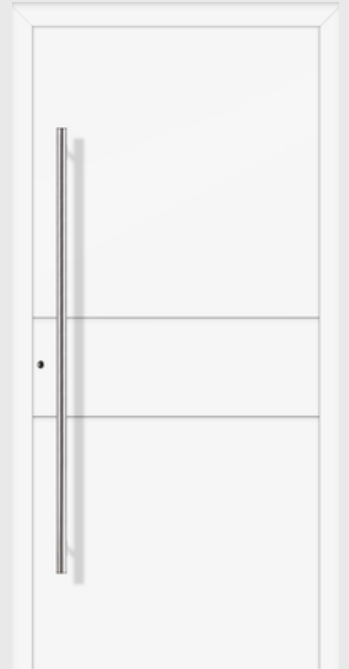
F816



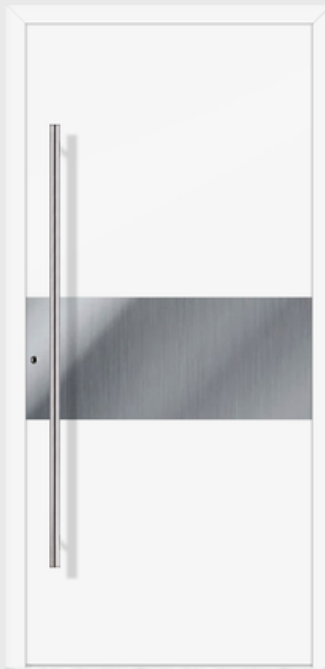
F817



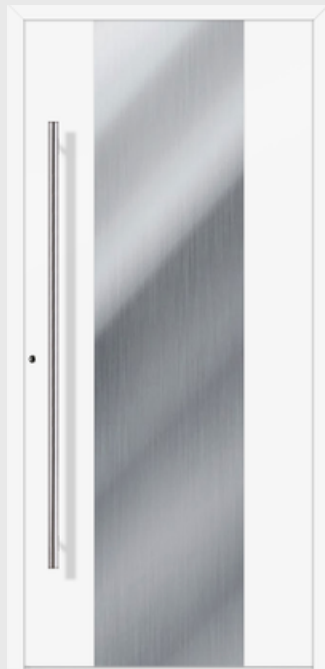
F818



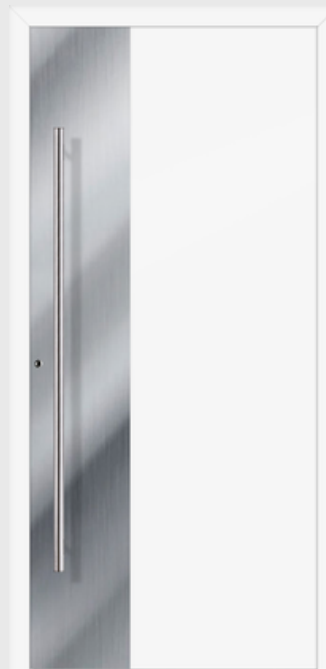
F819



F821



F822



F823

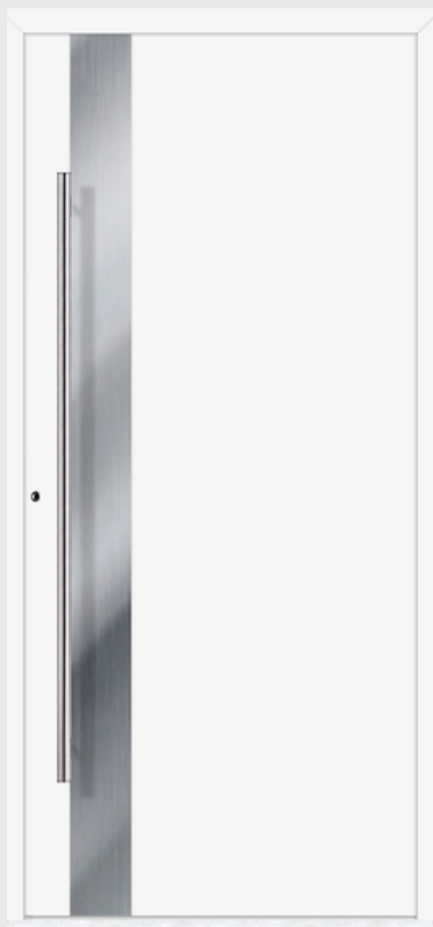


F824



Concealed and RAL finished hinge options

Range: Pure



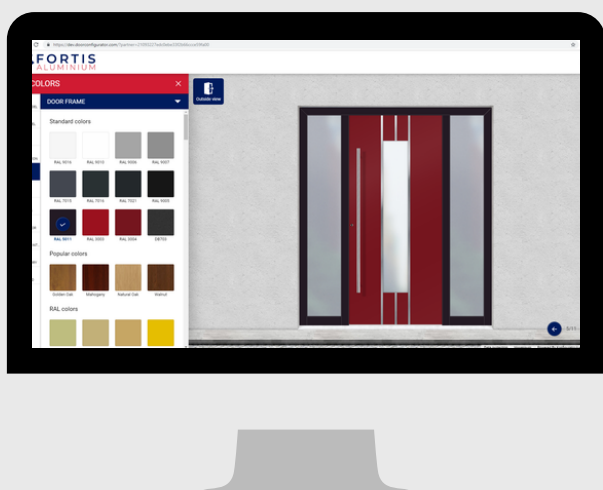
F825



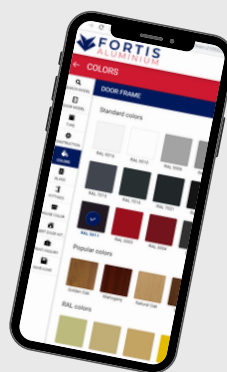
F826



F827

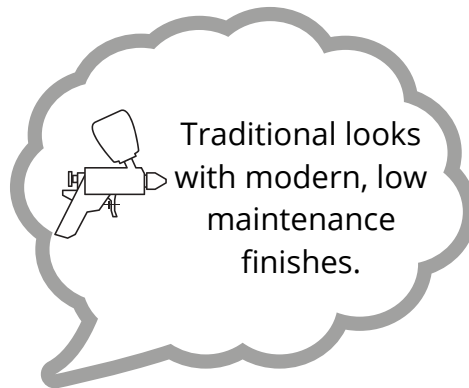


Design your dream door



You can visualise
your door on
your own
property
at **fortisal.co.uk**

Range: Residence



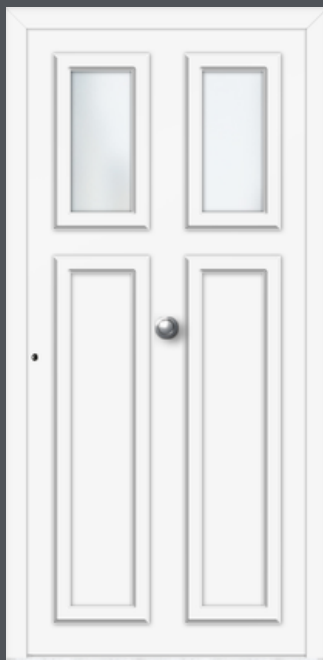
Residence Hardware set
Satin | Chrome | Brass

Residence: Classic British design with bespoke hardware and fittings. A classic look with the energy efficiency and security of a Fortis Aluminium door system.

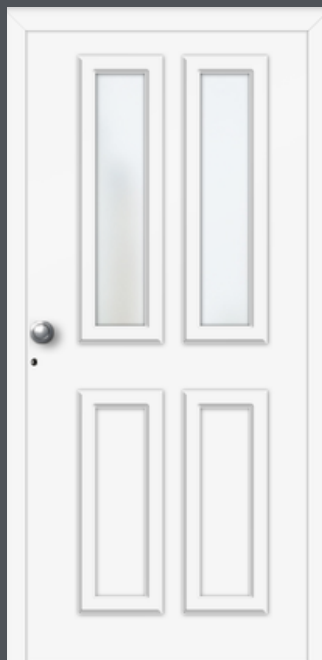
Residence F906 Aged brass hardware - Featured on George Clarkes Remarkable Renovations.



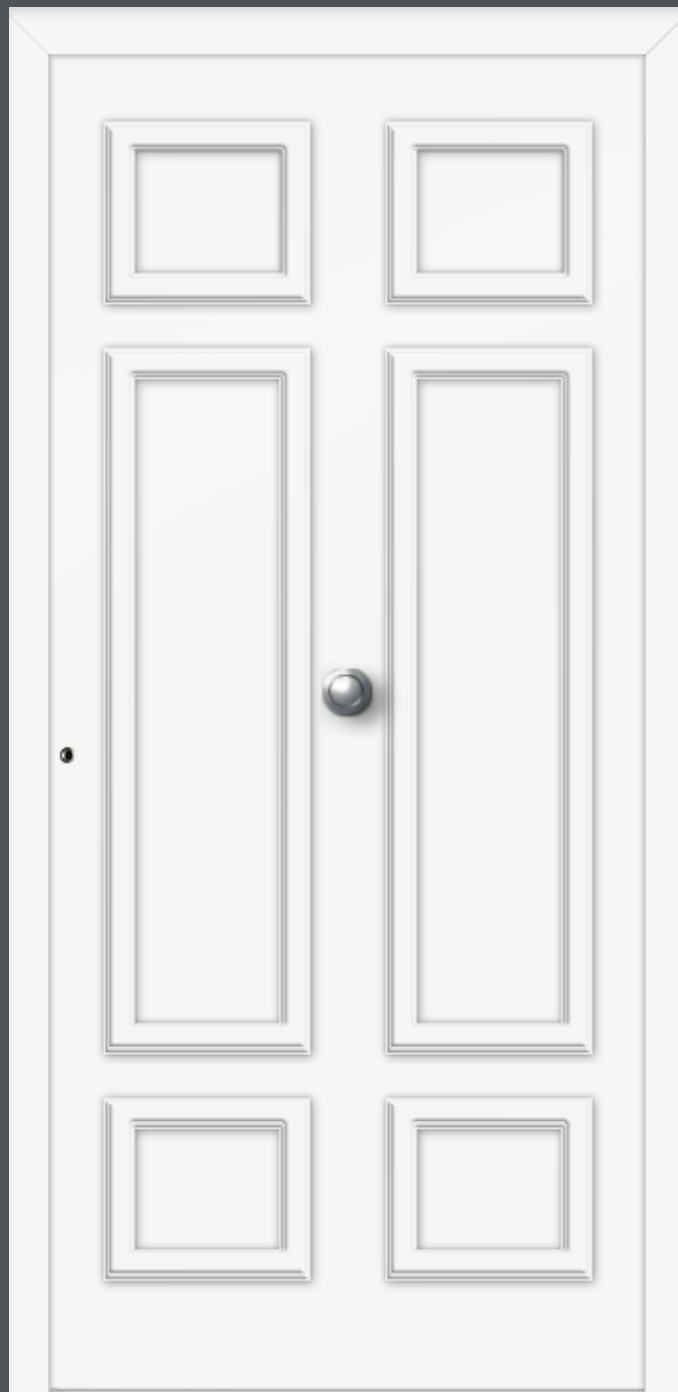
Range: Residence



F900



F901



F902



F903

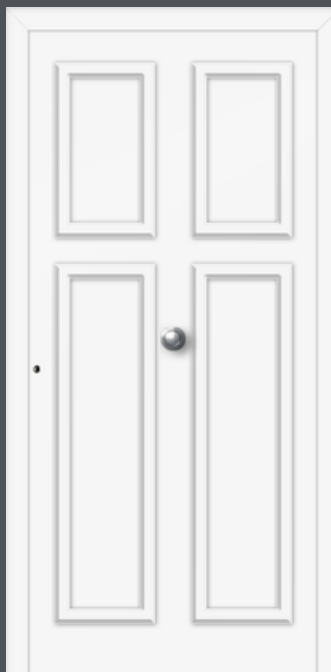


F904

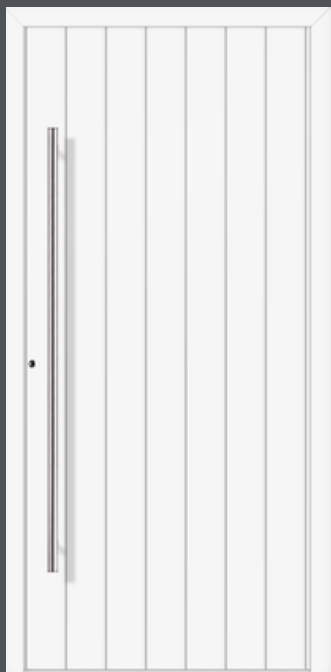
Special hardware sets for Residence and traditional door designs



Range: Residence



F905



F906



F907



F908



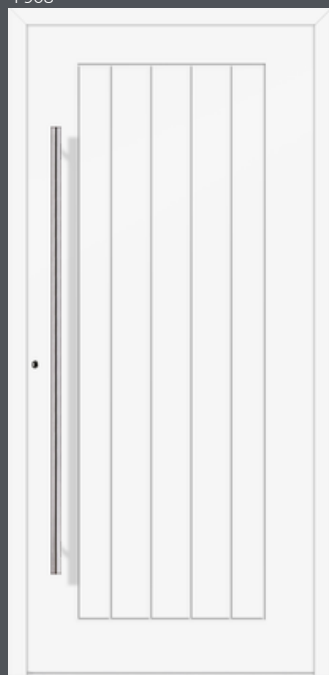
F909



F910



F911



F912



Matching house sign?

Signature doors have been thoughtfully designed with integrated handles. Specific hardware and unique design accents.

SG1

Signature Doors

SG1 fitted with flush overlaid sidelights, biometric entry system and recessed handle

Signature Doors



SG2

SG2 incorporating full height, angled face plate and hidden, glazed handle.



SG3

SG3 incorporating angled face plate and short, glazed handle. Overlaid side panel and blasted decorative sidelight glass.



SG4

SG4 incorporating triple angled face plate and short, glazed handle. Matching sidelight glass.

The finest aluminium doors

Signature Doors

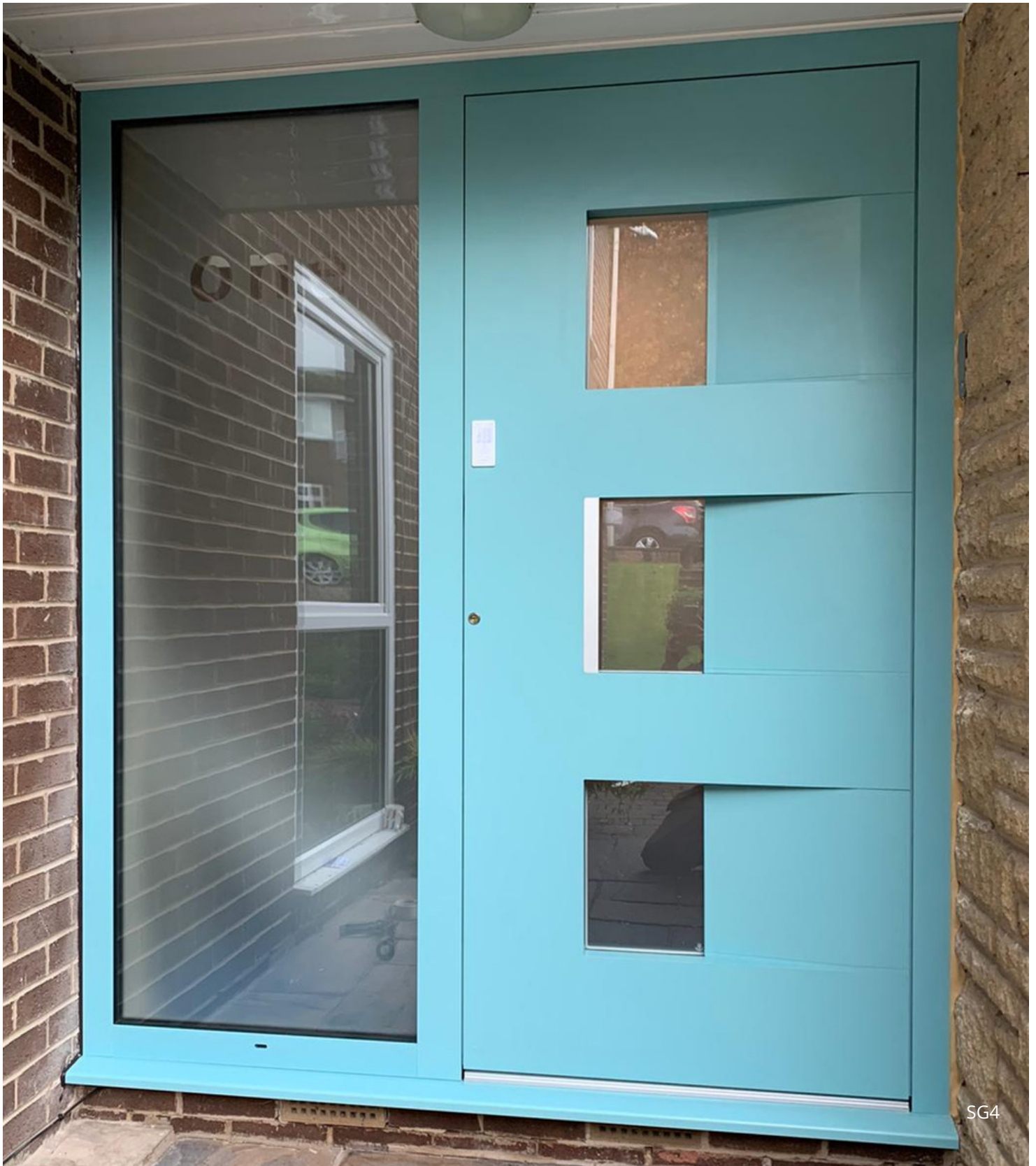


SG5

SG5 incorporating full height, angled, grooved face plate and hidden, handle.



Signature Doors



SG4

An elegant expression of style

Hardware

Pull Handles - Stainless steel and RAL colour

Handles from 400mm - 3000mm



HP10

HP15

HP20

HP30

HP40

HP50

HP60

HP70

HP80

HP90

HPGV
GLASS

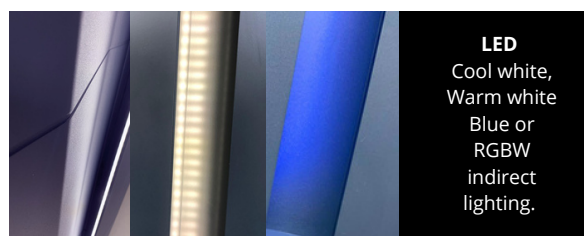
HR10 /
HR10
LED



HPGH GLASS



HR20



LED
Cool white,
Warm white
Blue or
RGBW
indirect
lighting.

Traditional Hardware



HK10



KN10



KN20



KN30



LP10



RAL colour and
integrated
finger scanner
bar handles.

External and
internal.

Internal handles

316 Stainless steel



HL10



HL20



HL30



HL10, 20, 30
RAL to choose

Hinges



HG10



HG20



HG30

Escutcheons



LE10



LE20

Access control



AC10 /
AC10H



AC15



AC20



AC30



AC40

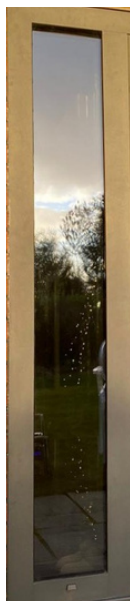


LED HANDLE LIGHTING

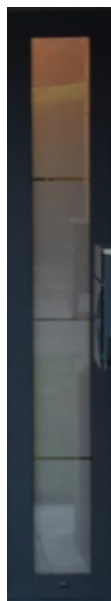
Glass and sidelights



Satin



Clear



Blasted with clear motif
Clear with blasted motif



Letterboxes



LB10



LB11



LB12



LB20



LB21



LB30

Bespoke aluminium house signs



Manufactured using the same 3mm marine grade aluminium on our D72 doors.

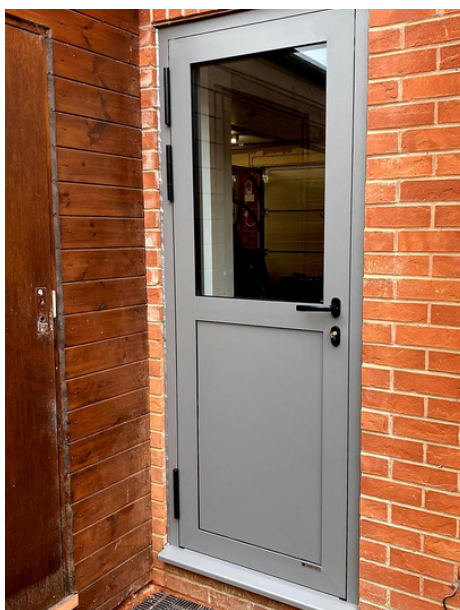




Utility doors - UD



UD1



UD2



UD3

Fortis Utility doors perfectly compliment our D72 entrance doors. With suited hardware and furniture, high security laminated glass and optional access control: Back doors have never looked so good. Opening: Inward / Outward

UD doors can be specified as main entrance doors with double or triple security glazing.

Smart Home

**Intelligent door opening, anywhere, anytime.
Total control, pure comfort and complete security.**

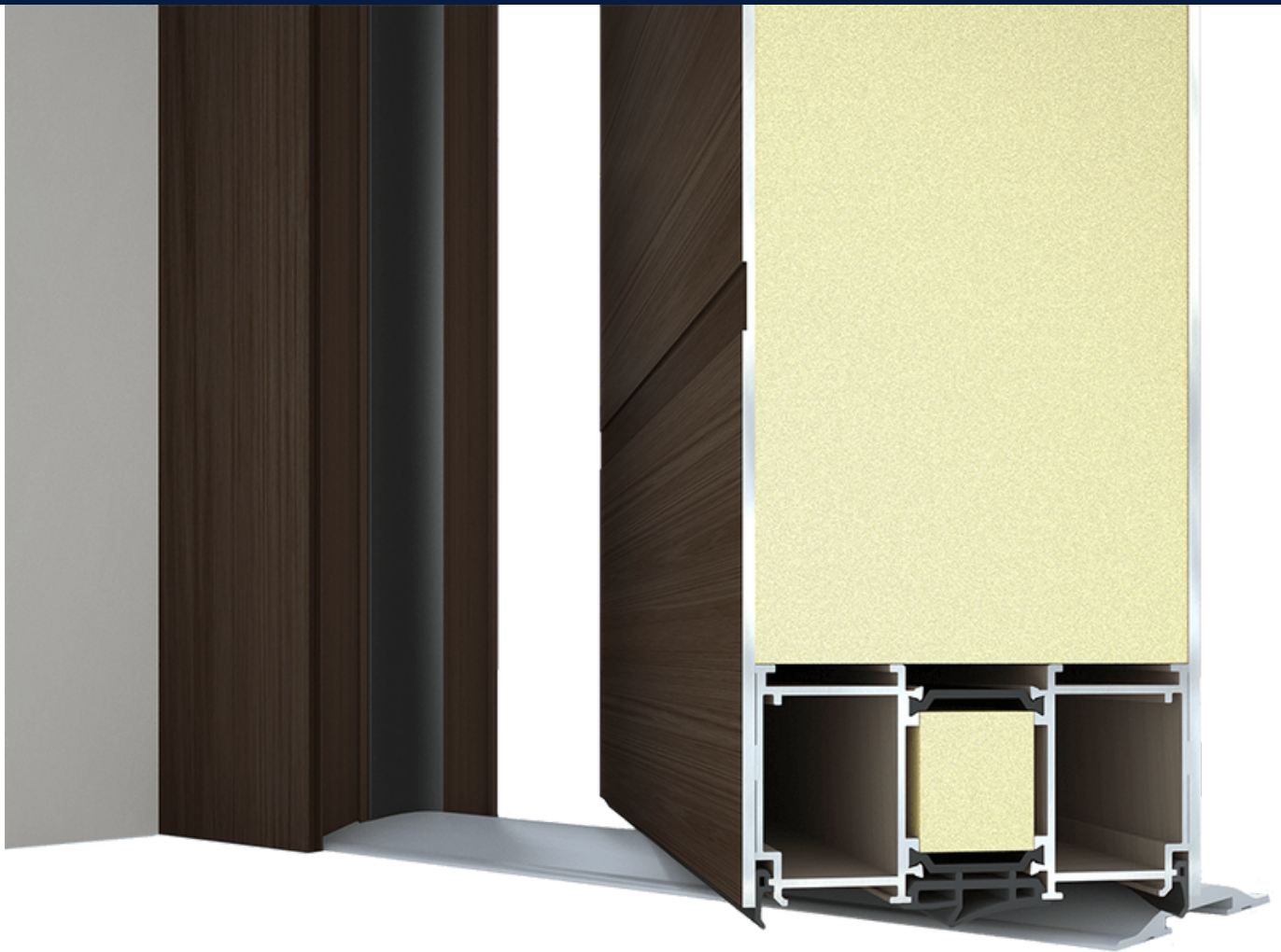
With the Berner Secure Mobile App you can operate your FORTISBOX connected wireless products through any piece of mobile internet compatible equipment. You need never wonder again if your front door or garage door is actually closed. Control your door setting from anywhere in the world and open the door for your kids or relatives remotely.

FORTISBOX

**No monthly payments
Free app download
Numerous control functions
Simple installation and operation
Intuitive programming
Total security through BiSure technology
Optional use with your own WLAN
No need to worry about mobile loss
or replacement
Maximum 5 users
Easy upgrade**



IVOT



PREMIUM OVER DIMENSIONED
ENTRANCE DOORS





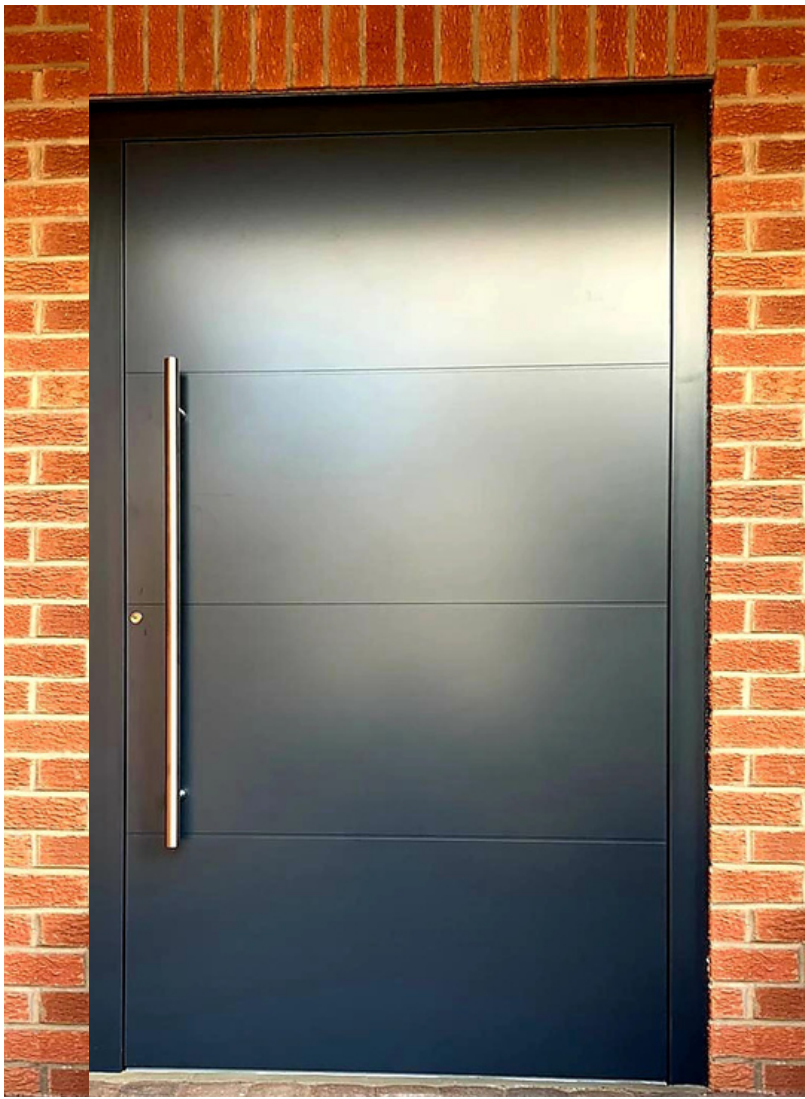
Discover the innovative British made Fortis Pivot entrance door system. Developed for the creation of unique custom-made luxurious entrances, which incorporate a plethora of design options and equipment, satisfying every need and want.

The ability to integrate long lasting Evolution finishes on the surface of the door panel is a global innovation and a truly unique solution, which became possible thanks to our specialist finishes development. Pivot doors can also be finished in our endless array of colours and SD wood effect finishes.

The special pivot mechanism is the system's most outstanding attribute, offering not only elegance, but also the ability of over-dimensioning, ensuring ease of use even when it a door exceeds 3m in height and approaches a weight of 250 Kg. The system is characterized by its unique minimal design, which is enhanced through the synergy between wall & door and through the low threshold with a height of just 7mm. Moreover, the integrated recessed external handle contributes further to the system's exceptional aesthetics, making it one of the top options in the category of pivot entrance doors. Last but not least, beside the high aesthetics and functionality, the system stands out for its exceptional performance level, with a thermal insulation of $U_d=0,7 \text{ W/m}^2\text{K}$ and a burglary resistance certified with RC3.

As is always the case with Fortis door systems, technology is at the forefront of our design ethos. Integrated fingerprint access control and smart home integration are options that are often at the top of the list for the end user. Additionally, our range of LED lighting compliments the Pivot system perfectly.

The innovative architectural design, combined with the premium equipment and the high robustness, make Fortis Pivot an exceptional choice for modern residences, commercial properties and offices, assuring elegance, prestige and uniqueness.



Characteristics

- DESIGNS: Brochure designs and Bespoke
- THERMAL INSULATION COEFFICIENT: $U_d = 0,7 \text{ W/m K}$
- MAXIMUM GLAZING THICKNESS: 115 mm
- TYPES: Single leaf pivot doors, Double pivot doors
- SHEET THICKNESS: 3mm Marine grade
- PROFILE WALL THICKNESS: 2.5mm
- MINIMUM THRESHOLD HEIGHT: 7 mm
- SASH DEPTH: 115 mm
- FRAME DEPTH: 115 mm
- SEALING METHOD: Perimetrical at 3 levels with EPDM gaskets
- SASH WEIGHT: up to 250 Kg
- TYPE OF THERMAL INSULATION: Polyamides 34 mm width, Energy bar, Insulation foam
- BURGLAR RESISTANCE: RC3
- MINIMUM VISIBLE FRAME FACE HEIGHT: 70 mm
- LOCKING: Multi point lock manual and electric
- MAXIMUM WIDTH: 1400mm - For greater dimensions seek technical advice
- MAXIMUM HEIGHT: 3000mm - For greater dimensions seek technical advice
- ACTUATION: Keyed, Fingerscan, Smarthome

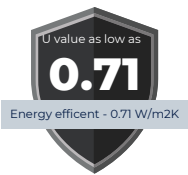
Technical - D72 front doors

EXCLUDES PIVOT SYSTEM



Proven security

Fortis D72 doors - Successfully tested as a complete doorset to **PAS24:2016 Enhanced security for doorsets**. Our doors are fully compliant with UK building regulations. Further European testing has been carried out at IFT Rossenheim to RC2 and RC3 levels.



Proven thermal efficiency

U value's from 0.71. Thermally broken and PU insulated frames and profiles ensure maximum thermal efficiency from each and every Fortis D72 door.

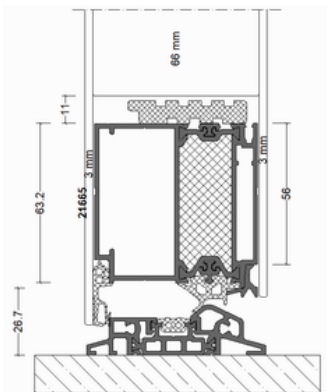


Locks and security components

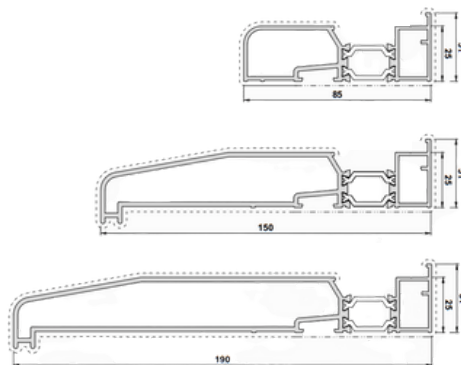
FUHR 859 Multipoint hook lock - Successfully tested as critical components within: **PAS 24:2016** Enhanced security performance requirements for doorsets and windows in the UK. Doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk BSI Kitemark KM597995 refers.

FUHR 833 Automatic motorised lock - Successfully tested as critical components within: **PAS 24:2016** Enhanced security performance requirements for doorsets and windows in the UK. Doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk BSI Kitemark KM593756 refers.

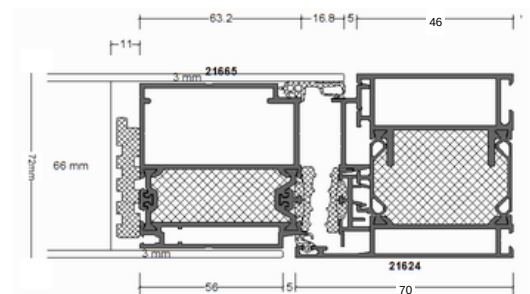
Low level threshold detail



Optional thermally broken cill detail 85 / 150 / 190mm



Frame/Sash section detail



Size parameters D72 Flush doorset

Overall frame dimension

(ordering size)

800mm – 1400mm x 1990mm – 2500mm

Oversized doors

1300+mm x 2500+mm Seek technical advice

Sidelight size parameters D72 triple glazed laminated with thermally broken frame - supplied as 1 piece frame with door

Overall frame dimension

(ordering size)

200mm - 1200mm x 1990mm - 2500mm

Oversized sidelights

1200mm+ x 2500mm+ Seek technical advice

Frame

Profile depth	72mm
Profile width (inner)	Std 46mm or Wide 61mm
Profile width (outer)	Std 70mm or Wide 85mm
Mullion width (inner)	46mm
Mullion width (outer)	94mm
Frame wall thickness	2.2mm
Frame insulation	22mm PU
Frame thermal break	Yes

Panel

Chassis profile	Flush detail 65x64.5mm
Thermal break	Yes - Sprung
Sheet thickness (inner)	3mm
Sheet thickness (outer)	3mm
Insulation type	SupaTherm 150 EPS
Insulation thickness	66mm
Glazing	66mm Soft coat Low E Laminated argon filled triple glazed, Thermally improved

Aluminium specification

5251 - H22 Sheet and Plate

Aluminium alloy 5251 is a high strength alloy possessing good ductility and therefore good formability. Alloy 5251 is known for work hardening rapidly and is readily weldable. It also possesses high corrosion resistance particularly in marine environments.

Glass Specification - Triple glazed Sidelight and Door glass build up:

6.8mm Softcoat Low E security glass / Thermally improved spacer bar / 4mm Toughened glass / Thermally improved spacer bar / 6.8mm Softcoat Low E security glass - Argon gas fill in internal and external unit cavities.

Performance Guarantee



Subject to the following terms and conditions below; door sets supplied by Fortis Aluminium Ltd are warranted for the following periods set from the date of delivery / installation (UK & Channel Islands Only) subject to the following limitations & exclusions.

Powder Coat failure – 10 years (If Coastal location – Anodised components must have been ordered)

Glass unit failure (misting between panes only) – 10 years

Ekey Finger scan & Key pad systems – 2 years

Ironmongery – 2 years

LED Lighting – 1 year

Excludes all third party components supplied & fitted by the client after purchase

Damage or failure caused by poor maintenance not in accordance with instructions

Damage or failure due to improper or incorrect installation

Damage caused by others beyond our control caused but by limited to accident, abuse,

misuse, mishandling, storm, fire, flood or other acts of nature

If a door has been altered or modified in any way

Delivery damage claims once a door has been installed

Colour or shade variations arising from RAL colours viewed online or in a printed format outside of a genuine RAL Classic colour chart

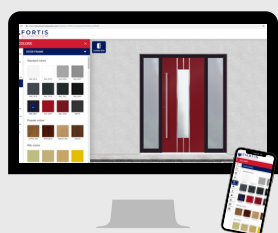
Full warranty document available from your Fortis Dealer on request

F800 modified design with dark gold HP20
rectangular bar handle and integrated
AC10 Ekey finger scanner





**F101 Modified design In
SD Rough Walnut HP20
bar handle. 1400mm wide**



Design your dream door

You can visualise your door
on your own property
at **fortisal.co.uk**

Socials



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