



www.ianfirth.co.uk



Introduction to 'External Doors and Doorsets'

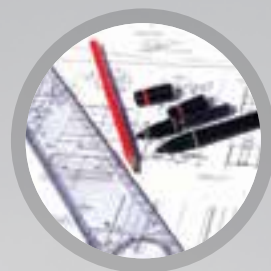


The **No. 1** Choice

Ian Firth Hardware Ltd, established 1982, one of the leading suppliers of residential doorsets to the housebuilding sector, offers a wide range of designs and specifications to suit many different requirements. From purpose built premises in West Yorkshire, housing state of the art CNC manufacturing facilities, we distribute nationally using our own fleet of dedicated vehicles.

For **Creative** Design

Whatever the genre or design brief of the project, Ian Firth Hardware Ltd can help to find the perfect door and glass combination to suit. From Tudor and Gothic-inspired designs, through traditional Victorian and Edwardian styles, to ultra modern contemporary looks, we have doors for all tastes. Due to partnerships with component factories we can also work with our customers to create bespoke designs tailored to their individual needs. As we offer internal doors and ironmongery too, we can make sure the full package is coordinated.



For **Tested & Certified** Products

We understand doors have to meet strict performance criteria and we at Ian Firth Hardware Ltd are proud to state that our doorsets are fully tested here in the UK at approved UKAS accredited laboratories. This means you can have confidence in our products to perform as you require. Tests include PAS24 Security, EN1303 KiteMark, TS007, BS6375 General Performance, Thermal Cycling, U-Values, Acoustics, Fire Resistance, Weather testing, and Operating forces.

For **First Class** Customer Service

Service is really important to our customers and we therefore have a team of dedicated sales co-ordinators based in our offices ready to help you, whatever your query. They are backed up with a strong team of Field Sales Representatives, a very experienced Technical and Design Department, as well as After-Sales Customer Care.



For **Excellent** Technical Back Up

Active members of trade associations: The Guild of Architectural Ironmongers, Association of Composite Door Manufacturers, The Door and Hardware Federation, and accredited to ISO9001 Quality Management System, ISO14001 Environmental Management System, Q-Mark Enhanced Security Doorsets, and Secured by Design.

10 Good Reasons To Buy Our Composite Doorsets



- 1 PVC frame has steel reinforcement as standard to add rigidity
- 2 Adjustable hinges allow ease of installation and maintenance
- 3 Large rubber seal fitted around perimeter of frame to improve weather performance
- 4 Glazing cassettes sealed externally with Stixall™ for improved watertightness
- 5 Stainless steel lever furniture available in our range
- 6 A range of letterplates available to suit various performance requirements and budgets
- 7 Adjustable keeps allow for easy fitting and maintenance
- 8 Winkhaus Thunderbolt™ Multipoint Lock with tapered bolts fitted as standard
- 9 Huge range of door designs, glass patterns and colours available. Built as pre-hung doorsets
- 10 Wheelchair-friendly Slimline Sill with connectors fitted as standard, designed perfectly to suit PVC profile

Performance Characteristics

BS6375

General Performance Specification covering durability, basic security and weather tightness applies to all our external doorsets



Doorsets can be made with acoustic properties to meet requirements of Building Regulations AD Part E.*

PAS24

Enhanced Security Specification is available on a range of doorsets, approved by BSi Kitemark and Secured by Design, to meet the requirements of Building Regulations AD Part Q.*



All our doorsets have a U-value of 1.5 w/m2K or better to meet the thermal performance requirements of Building Regulations AD Part L.*



FD30 Fire resistance is available on a range of doorsets



Our doorsets have an Ozone Depletion Rating of zero and a Global Warming Potential of 5. We only use water based foam insulation within the construction of our doorsets.



Our doorsets can be made to meet clear opening requirements and fitted with level access thresholds to meet the requirements of Building Regulations AD Part M.*



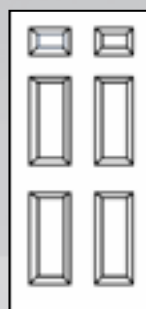
*Our doorsets can also meet the requirements of the Scottish Building Regulation Technical Handbook.

Door Styles

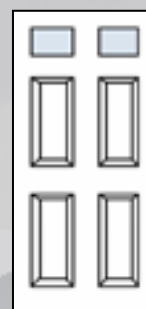
These are just a selection of door designs that are possible. If you cannot see the design you are looking for please send details to us and we will do our best to accommodate your specific requirements.

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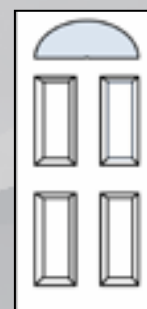
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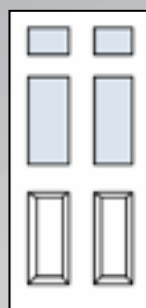
IFU.01
Huron



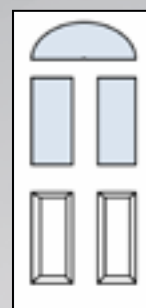
IFU.02
Erie



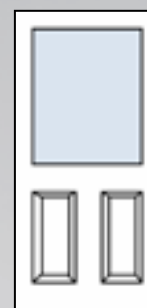
IFU.26
Clearwater



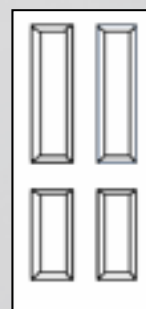
IFU.48
Balaton



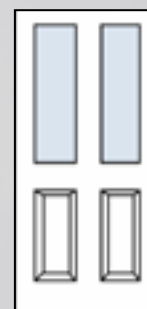
IFU.40
Alto



IFU.05
Michigan



IFU.30
Placid



IFU.07
Ontario



Please ask us for
more details

01924 438 112

www.ianfirth.co.uk

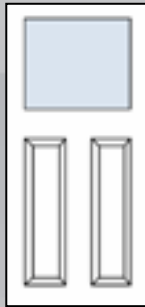
email enquiries@ianfirth.co.uk

Have you seen our other product brochures?





IFU.29
Tahoe



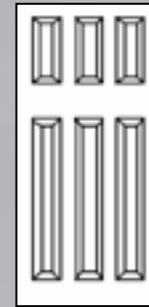
IFV.80
Mask



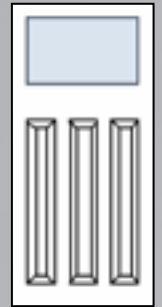
IFU.11S
SuperNova



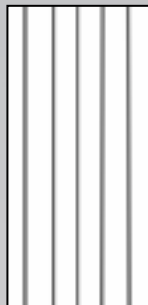
IFU.49
Flush



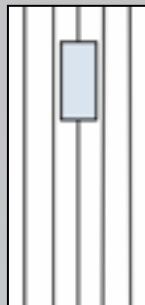
IFU.63
Lutyens unglazed



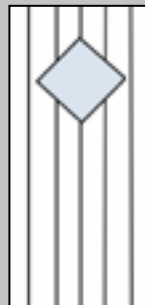
IFU.64
Lutyens



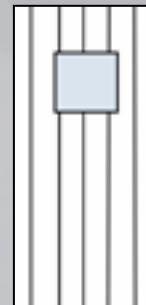
IFU.28
Cottage



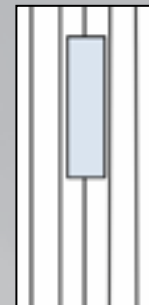
IFU.27
Cottage
Superior



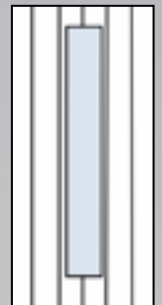
IFU.37
Cottage
Coniston



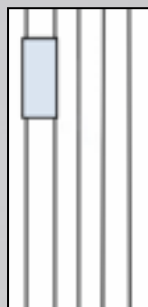
IFU.38
Cottage
Windermere



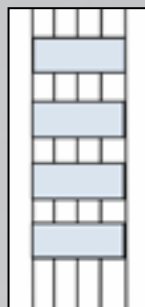
IFV.57
Cottage
Ullswater



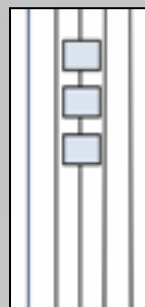
IFV.63
Cottage Corrib



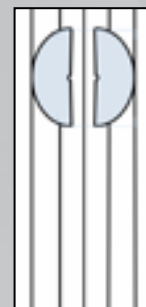
IFV.71
Cottage Aire



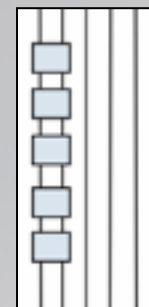
IFV.39
Cottage
Grasmere



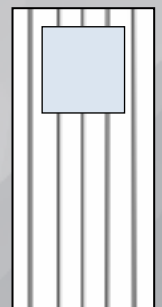
IFV.70
Cottage Beck



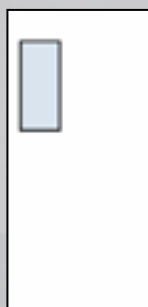
IFV.78
Cottage Basson



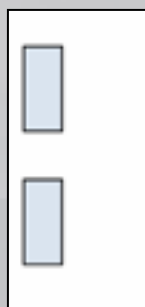
IFV.79
Cottage Conn



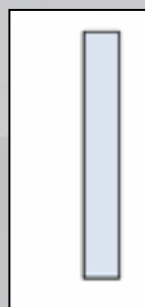
IFV.64
Owel



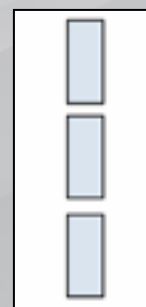
IFU.53
Ennell



IFU.56
Ryan



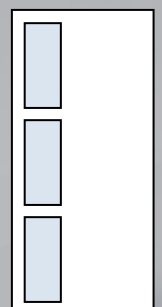
IFU.59
Powell



IFU.69
Charlotte



IFV.47
Spencer



IFV.97
Sydney

Ontario Range

A timeless classic door style with a wide range of glass designs from plain clear or obscure glass (see page 30), through contemporary geometric styles, to very decorative traditional effects.



Ontario
with Viola Blue Glass



Ontario
with Westminster Black Glass



Ontario
with Boleyn Glass



Ontario
with Decco Glass



Ontario
with Etched Glass



Ontario
with Bianca Glass



Ontario Range

More eye catching possibilities with this elegant door design, incorporating crystal cut effects, contrasting backing textures and fused black glass.



Ontario
with Duchess Drop Lead Glass



Ontario
with Imperial Chrome Bar Glass



Ontario
with Cotswold Obscure Glass



Ontario
with Infinity Glass



Ontario
with Manhattan Lead Glass



Ontario
with Simplicity Glass



Michigan Range

This classic half-glazed door lets in maximum light to the home, but glass options can offer choice of decorative designs as well as plain, functional options (see page 30).



Michigan
with Imperial Chrome Bar Glass



Michigan
with Decco Glass



Michigan
with Simplicity Glass



Michigan
with Clear Glass



Michigan
with Viola Green Glass



Michigan
with Infinity Glass



Erie Range

When you want a little natural light but not compromising your privacy, the Erie door is perfect.



Erie
with Etched Glass



Erie
with Simplicity Glass



Erie
with Bianca Glass



Erie
with Clear Imperial
Chrome Bar Glass



Erie
with Viola Red Glass



Erie
with Westminster Black Glass



Balaton & Alto Ranges

These two styles bring light and elegance into any home.



Balaton
with Viola Green Glass



Balaton
with Bianca Glass



Balaton
with Simplicity Glass



Alto
with Infinity Glass



Alto
with Viola Blue Glass



Alto
with Bianca Glass



Clearwater & Lutyens Ranges

Taking design genres from the past we can offer these 1930s Art Deco door designs.



Clearwater
with Viola Blue Glass



Clearwater
with Simplicity Glass



Clearwater
with Bianca Glass



Lutyens
with Simplicity Glass



Lutyens
with Infinity Glass



Lutyens
with Juliette Glass



Cottage Range

The Cottage door is the pinnacle of versatility enabling endless possibilities in design.



Cottage Superior
with Monarch Diamond Glass



Cottage Ullswater
with Imperial Chrome Bar Glass



Cottage Powell
with Infinity Glass



Cottage Coniston
with Monarch Diamond Glass



Cottage Windermere
with Twist Glass



Cottage Beck
with Westminster Glass



Cottage Range

Don't be deceived into thinking Cottage means old fashioned when there are so many modern looking designs that can be made using this door style to suit many design applications.



Cottage Ullswater
with Imperial Chrome Bar Glass



Cottage Owel
with Cotswold Georgian Bar Glass



Cottage Grasmere
with Bianca Glass



Cottage Conn
with Etched Glass



Cottage Aire
with Infinity Glass



Cottage Basson
with Viola Blue Glass



Flush Range

Let your imagination run riot using the Flush door as your blank canvas to create infinite design possibilities.



Ennell
with Bianca Glass



Ryan
with Infinity Glass



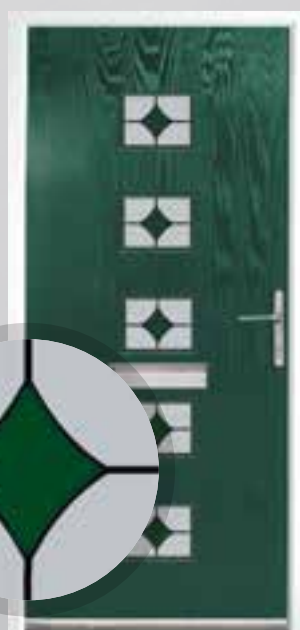
Powell
with Infinity Glass



Ree
with Cotswold Glass



Volta
with Simplicity Glass



Lyon
with Viola Green Glass



Solid Range

When glazing in the door leaf is not necessary, there is no need to compromise on style.



Huron



Placid



Tahoe



Lutyens



Cottage



Flush



Have you seen our
extensive range of
**Internal
doors?**



Super Nova

Our brand new Super Nova door is an industry first combining grained GRP skin with ready glazed panels. Ultra modern styling is finished with satin stainless steel pull handle and the best in locking solutions.



Coming Soon!



COLOUR OPTIONS

Standard Finishes

The GRP door is supplied pre-finished in a range of standard colours:

The colour is on the external face only, the internal face and the edges remain white for all colours.

Standard Colours and include white, black, blue, green, red.

White	=	'RAL 9016'
Black	=	'RAL 9005'
Blue	=	'RAL 5004'
Green	=	'RAL 6009'
Red	=	'RAL 3013'

For coloured doors if the surface is scratched a lighter shade will show. Touch-up pens are available.



White



Blue



Black



Green



Red

Woodgrain Finishes



Light Oak

Rosewood

Special Colours



Light Grey
RAL 7001



Slate Grey
RAL 7015



Anthracite Grey
RAL 7016



Home Cream
RAL 1015



Duck Egg Blue
RAL 6027



Chartwell
Green
RAL 6019

Other woodgrain effects can be available on special order.

Woodgrain effects are hand applied so can have variations in shade.

Doors and uPVC frames can be made special order to any RAL colour. A minimum order quantity and/or set up charge may apply and lead times extended.



External Door Frame Options

1 Materials



Primed Softwood

For on-site painting



uPVC profile with steel reinforcement

White as standard, but other colours can be made to special order



Winkhaus Ecoframe

White prefinished aluminium skin

Whatever the material, all our doorframes are fitted with weatherseals which have been tested to BS6375.

2 Frame Style

Sidelights can be made with or without midrail, and can be made with multiple horizontal rails if required. glass for fanlights and sidelights can be any style required: clear, obscure, decorative, with integral bars, etc.



Single Frame



Fanlight Frame



Single Sidelight



Double Sidelight Frame

3 Frame Dimensions

Standard frame dimensions when fitted with standard 25mm sill.

Door Size	Single Frame**	Fanlight Frame**	Single Sidelight, LH or RH sidelights**	Double Sidelight **
762x2013mm*	848x2095mm	n/a	n/a	n/a
838x2013mm	924x2095mm	924x2395mm	1300x2095mm	1700x2095mm
914x2013mm	1000x2095mm	1000x2395mm	1300x2095mm	1700x2095mm

*Size available in selected door designs only

**Alternative frame sizes can usually be accommodated to suit a wide range of applications

4 Sill Sections

Frames are supplied with 25mm 'mahogany' effect composite sill section as standard.

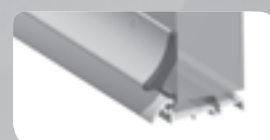
- Superior performance and low maintenance by comparison to high density timbers;
- Non-hygroscopic and will not absorb moisture;
- Extended life compared to hardwood;
- Eliminates the need for an impermeable barrier or membrane during installation;
- Highly durable outer skin with a glassine finish which can be left untreated or painted as required;
- Guaranteed not to warp, shrink or distort.

These are available in 140mm and 170mm widths to suit structural opening fitting positions.

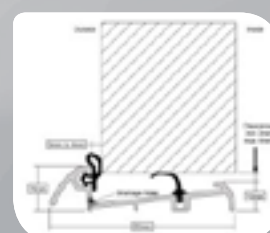
Frames are fitted with aluminium Slimline Threshold system as standard that meets the requirements of Part M. These are supplied loose for site installation and are complete with rain deflector.



Composite Sill with Slimline



Slimline with SRD Aluminium



Slimline Threshold Dimensions

Glass Options

Available for all door designs, sidelights and fanlights:



Etched



Cotswold
with or without white integral bars



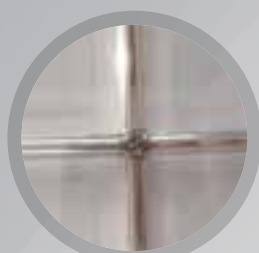
Autumn Leaf

Clear glass, with or without white integral bars are also available in all door and frame designs.

Available in selected door designs



Duchess Drop Lead



Imperial Chrome Bar



Viola in Colours



Bianca



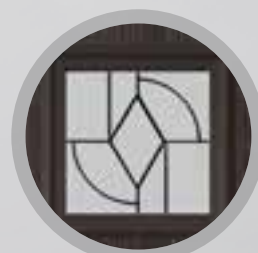
Boleyn



Infinity



Simplicity



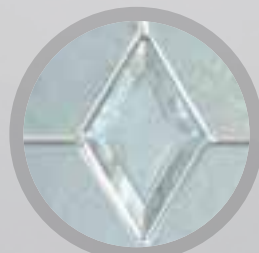
Twist



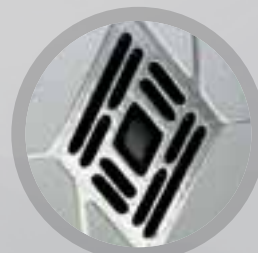
Westminster



Manhattan Lead



Monarch



Decco

All double glazed units are CE marked to EN1279, include toughened glass to EN12150 and laminated glass to EN14449.

Locks & Hinges

**WINK
HAUS**



Winkhaus ThunderBolt 5

- ✓ 5-Point Locking System
- ✓ 20mm throw deadbolts
- ✓ Lever operated bolts
- ✓ Takes Euro Cylinder
- ✓ PAS24 security tested
- ✓ Secured by Design
- ✓ 100,000 cycles durability
- ✓ Corrosion resistant
- ✓ Adjustable keeps
- ✓ Split follower function available
- ✓ Handed LH/RH

**WINK
HAUS**



Winkhaus AV2 Automatic Lock

- ✓ 3-Point Locking System
- ✓ Hook bolts top & bottom
- ✓ Automatically locks on closing door
- ✓ Takes Euro Cylinder
- ✓ PAS24 security tested
- ✓ Secured by Design
- ✓ 100,000 cycles durability
- ✓ Corrosion resistant
- ✓ Adjustable keeps
- ✓ Easy to use by elderly
- ✓ Handed LH/RH

GRIDLOCK.

DON'T JUST LOCK IT, **GRIDLOCK** IT!



Euro Profile Cylinders

IFM4.56 Double K/K
IFM4.57 Cylinder & Turn K/T

- ✓ EN1303 tested
- ✓ TS 007 rated 1*
- ✓ BSi Kitemarked
- ✓ 100,000 cycle tested
- ✓ Over 100,000 differs
- ✓ Corrosion tested
- ✓ Supplied with 3 keys
- ✓ Available Nickel or Brass
- ✓ 35/35 size as standard, other sizes can be available on request
- ✓ Master Keyed and Keyed Alike suites can also be accommodated with non-kitemarked cylinders

5 Lever Mortice Sashlock

IFM54.21 65mm

IFM54.21 75mm

BS3621 Kitemarked



5 Lever Mortice Deadlock

IFM54.20 65mm

IFM54.20 75mm

Satin Stainless Steel
Electro Satin



BS3621 Kitemarked

Deadlocking Cylinder Rim Nightlatch,

IFM18.06

Electro Brassed 40mm 60mm
Satin Grey 40mm 60mm



Rim cylinders can be keyed common to Euro-profile cylinders

Roller Bolt Nightlatch Case

IFM18.07

Polished Chrome



Rim cylinders can be keyed common to Euro-profile cylinders

Adjustable 3-D Composite Door Hinges

IFL73.20

- ✓ 3-way adjustable
- ✓ Designed for composite doors
- ✓ Available in White, Chrome, and Brass
- ✓ PAS24 tested 50,000 cycle durability tested
- ✓ Corrosion resistant

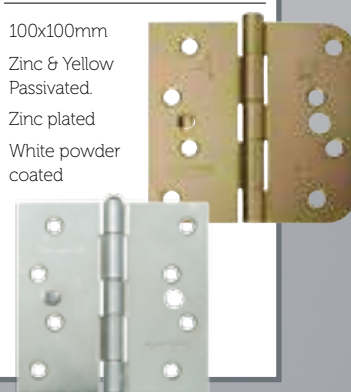


Fixed Pin Strong Butt Hinge

IFL3.21 Fixed Pin

IFL3.19 Loose Pin

100x100mm
Zinc & Yellow Passivated.
Zinc plated
White powder coated



Lever Furniture & Letterplates

Whether you need to meet PAS24 Security criteria or not, we have a range of options to suit all budgets.

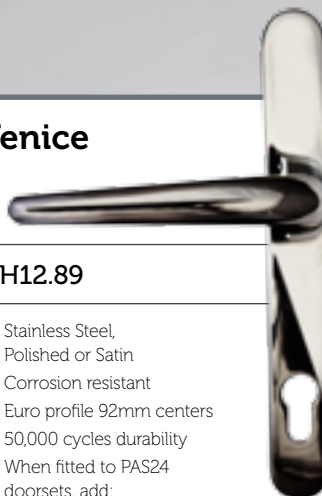
Lucca



IFH12.99

- ✓ PAA Aluminium finish
- ✓ PAS24 security tested
- ✓ Secured by Design
- ✓ Euro profile 92mm centers.
- ✓ 50,000 cycles durability
- ✓ Corrosion resistant

Venice



IFH12.89

- ✓ Stainless Steel, Polished or Satin
- ✓ Corrosion resistant
- ✓ Euro profile 92mm centers
- ✓ 50,000 cycles durability
- ✓ When fitted to PAS24 doorsets, add: **Winkhaus Armour Shield**



Cylinder Shield



IFH12.50

- ✓ Polished chrome finish
- ✓ Protects cylinder thumb turn from unwanted manipulation when fitted within reach of a letterplate

Standard Letterplate

IFH4.44



- ✓ Flap available in PAA, PSS and PVD Brass finishes
- ✓ Either Silver or Gold Plastic Frame
- ✓ Brush draught excluders
- ✓ PAS24 security tested
- ✓ Secured by Design
- ✓ Weather tested to BS6375
- ✓ Corrosion resistant:

Premier Letterplate

IFH4.35



- ✓ Polished Stainless Steel
- ✓ Also available in satin stainless steel
- ✓ All metal frame & flap
- ✓ Brush draught excluders
- ✓ PAS24 security tested
- ✓ Weather tested to BS6375

Cowl

IFH4.31



- ✓ PAS24 security tested
- ✓ Stainless steel, polished or satin
- ✓ Inner security cowl
- ✓ Protects cylinder and prevents 'fishing'

When a thumbturn cylinder is fitted and the letterplate is 400mm or less away from the thumbturn it is recommended a protection device is fitted.



Digital Door Viewer

IFS6.JY8026

3.2" screen
Fits doors from 38mm to 100mm thick
Powered by 3xAAA batteries, not included

Guards against unwanted visitors.
Press the button to see a clear image of your caller before deciding to open your door.
No wires or damage to the door.
Convenient for children and the elderly.



Digital Door Viewer with doorbell and memory card

IFS6.JY7002

3.5" screen
Fits doors from 38mm to 70mm thick
Powered by 4xAA batteries, not included

Door bell function with automatic image pickup
2GB memory card included to save images
Guards against unwanted visitors
Press the button to see a clear image of your caller before deciding to open your door.

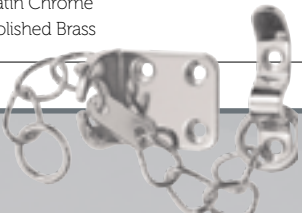
Accessories

Door Chains

Door Chain

Polished Chrome
Satin Chrome
Polished Brass


IFS6.12



Door Chain

Brass Plated
Chrome Plated

IFS6.08



180deg Door Viewer

IFS6.30

Polished Chrome
Satin Chrome
Polished Brass

To suit 44mm thick doors
intumescent versions suitable
for fire doors available
on request



Numerals

50mm SAA Numerals

IFH5.56


Satin Anodised
Aluminium



75mm Numerals

IFH5.50


Polished
Stainless Steel
Satin
Stainless Steel



75mm Numerals

IFH5.14


Polished Chrome
Satin Chrome
Polished Brass



Self Adhesive Plastic Numerals

IFH5.24 (50mm)
IFH5.44 (100mm)

Polished
Brass Effect
Polished
Chrome Effect



Door Knockers

150mm Urn Style Face Fixed Knocker

IFH5.20

Polished Chrome
Satin Chrome
Polished Brass


IFH5.21 version
includes hole for
door viewer



Ring Style Knocker

IFH4.28

Polished Chrome
Polished Brass



Upright, Narrow Style Knocker

IFH4.36

Polished Chrome
Satin Chrome
Polished Brass




Escutcheons

Escutcheon

IFS4.01 (OPEN)
IFS4.02 (COVERED) 35mm Diameter

Polished Brass
Chrome Plated
Satin Chrome Plated



See our
Hardware brochure
for a wide range of
Ironmongery to suit
Internal and External doors.

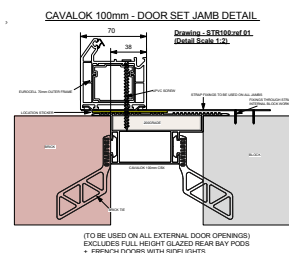
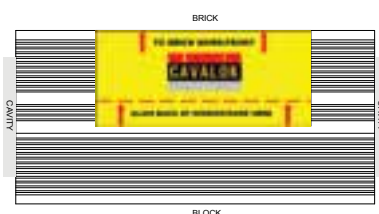
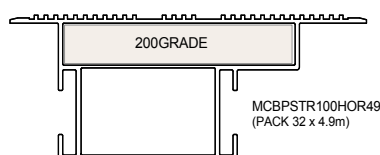


Cavity Closer System

Structural Cavity Closer System



- 200 grade high density insulation is strong enough to screw straight into to provide secure doorset fixing whilst maintaining the required thermal performance characteristics.
- Suits 100mm wide cavities in traditional cavity brick/block or block / block details.
- Supplied complete with brick ties.
- Yellow location stickers provided to ensure correct positioning of the doorframe.
- Supplied in packs which include 2no 2.45m lengths of cavity closer for trimming on site, with 20no brick ties.
- Fixing Straps available as optional extra, see below.



Doorset Fixings Packs

We can also supply you with fixings packs to suit your structural opening detail:

Our Doorset Fixings Packs include the appropriate fixings, a tube of silicone to bed the threshold, plus full fitting instructions.



Masonry External Doorset
Fixings Pack



Timber Frame Doorset
Fixings Pack



Cavity Closer/PVC frame
fixing straps

Installation, Care & Maintenance Information

All our doorsets are supplied with an installation leaflet giving guidance on how the doorset should be fitted to ensure correct operation.

- ✓ Always lift the lever handle to throw the bolts when the door is closed, even if not locked.
- ✓ Regularly lubricate the moving parts of the lock, handle and hinges with a lubricant such as 'WD40', 'Tri-flo' or 'Duckoil'.
- ✓ Regularly wash the doorface and hardware with warm soapy water and a soft cloth to keep the door looking good for longer. In coastal locations, near airports or heavy industry, this will need to be more frequent. Never use household cleaning products, metal polish, or abrasive cloths on the doorface or hardware.

Useful Information:

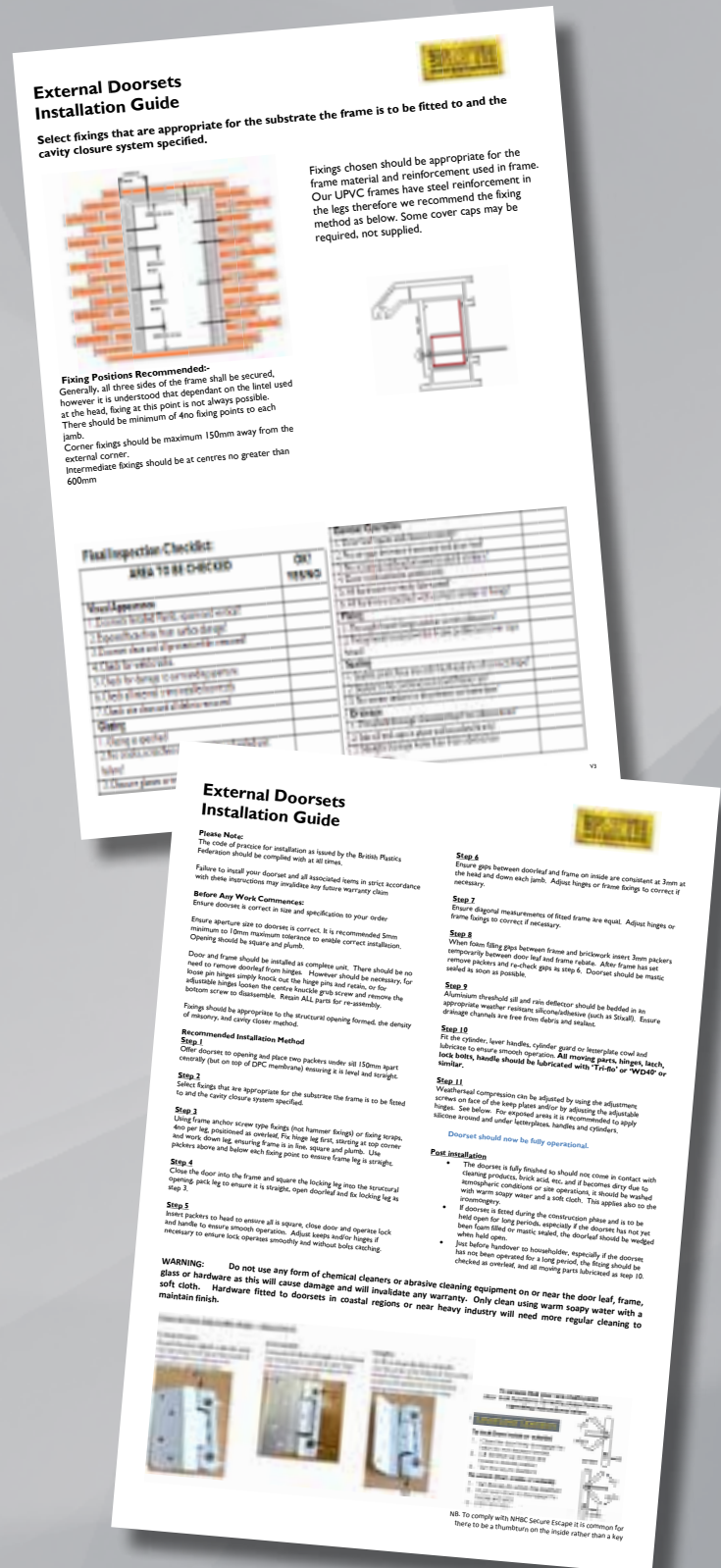
1. All newly hung doors will settle in position and will probably need adjusting after a few months.

The gaps between the door and the frame looking from the inside should be between 2 to 4mm, the door should be pressed tight up to the seals on all four sides so no draughts can be felt, and the lock bolts should throw into the strike plates without resistance.

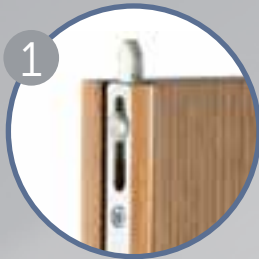
2. All composite doors will react to temperature and sunlight. They will appear to move and can sometimes make creaking noises when subject to direct sun. This is more prevalent with south facing doors and dark coloured doors. This is normal and the door will move back again when the sun moves away. Doors can look as if they have bowed inwards when there are extremes of temperatures from inside and out. As long as the door still locks and is not leaking around the seals, this is nothing to worry about. The door is likely to move back when temperatures change.

3. The threshold is designed for wheelchair access to meet Building Regulations, so it has a low upstand. It is therefore important any rainwater can drain to the outside quickly to prevent leaks internally. It will drain better if the trough is free from debris and the drainage holes are clear. Please ensure this is regularly checked.

4. Small, shallow scratches to the doorface should be repaired with specialist touch-up pens, not standard household paints.



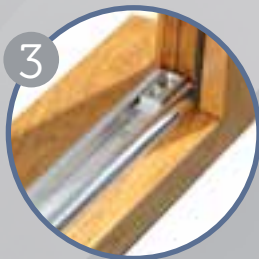
Timber Doorsets



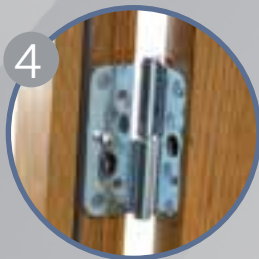
5 way multipoint locking system



Hook bolts for added security



Stormguard trimmable low threshold



Security hinges



Vectis locking system for added security available in a choice of chrome plated or brass plated hardware.



Weather Bar / rain deflector



Thermally insulated engineered timber veneered external doorsets.

Available in door leaf sizes 762x1981mm and 838x1981mm

Suits structural opening sizes 860x2077mm and 936x2077mm respectively.

Timber doorsets shown have a U-value of 1.6 W/m²K

Letterplate can be fitted as optional extra



Chancery with
Decorative Glass



Suffolk



Modena



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Our door furniture cannot be beaten for quality and style.

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Range Guide

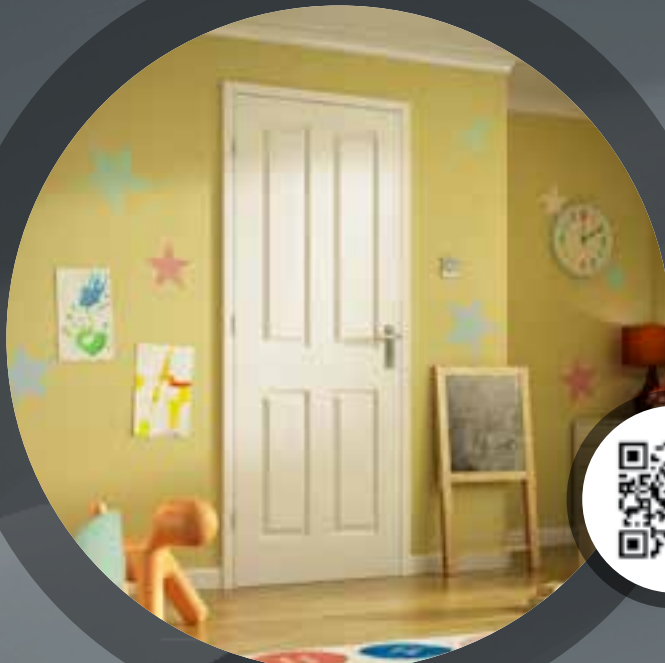
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Our range is huge so please send details of what you need and we shall try to fulfill your requirements!



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