



IG DOORS

Making an Entrance

Welcome to IG Doors

Introduction

For over twenty five years IG Doors has supplied the housebuilding industry with an extensive range of high performance composite external doorsets in both Steel and glass reinforced polymer (GRP).

These products provide the combined thermal insulation and minimal maintenance characteristics that are demanded by both major housebuilders and regional developers as they strive to meet the ever increasing demands of the industry in the 21st century. Included in this portfolio is an extensive range of products that comply with PAS 23/24 Secured by Design, along with fire rated doorsets and bespoke combination frames. All products comply with the relevant building regulations. Varied and extensive glazing options are available, complete with ironmongery packages to suit various applications.

Operating from a state of the art manufacturing facility based in Cwmbran, South Wales, IG Doors has both the capacity and flexibility to provide a nationwide service that is regarded in the industry as being second to none, together with a reputation in providing solutions to the often complex requirements of the house builder, whatever the project size. This is backed by a team of experienced

Technical Engineers who ensure the specifications meet customer requirements, and is complemented by a highly experienced, nationwide Sales Team who are able to advise on every aspect of specification and provide site support when required.

IG Doors is acutely aware of its responsibilities to the environment and continually strive to ensure that it complies with environmentally acceptable practices throughout all of its operations. Part of this initiative has led to the core range of product meeting ECO Homes criteria and also the Code for Sustainable Homes.

An ever increasing programme of investment, innovation and product development ensures IG Doors' continued reputation as market leaders with a commitment to provide a package of product and service that is truly Designed to Perform.

“the home of external composite doors...”



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Features & Benefits

Composite Doors

Through continual development of design, materials and methods of construction, IG Doors is able to maintain its market leading position as the UK's foremost supplier of high performance composite doors.

A wide choice of designs in both Original Steel and GRP Fibrecolour is available to satisfy the most discerning homeowner. IG Doors can supply product as a separate frame and door, or as a complete pre-hung doorset, glazed and fitted into the frame of your choice.

When you specify or purchase an IG door, you invest in a range of built-in benefits.

Service and Support

From its manufacturing base in Cwmbran, IG Doors is able to service the whole of the UK using a fleet of dedicated vehicles on a rolling weekly delivery schedule. In addition to providing initial site induction sessions, technical assistance can be sought from our team of experienced Area Sales Managers covering the whole of the UK. A wealth of practical experience in a technical advisory capacity has been accumulated throughout the company since its inception in 1979. IG Doors draws on this wealth of experience to provide excellent customer service and support which is the envy of our competitors.

“strong, longlasting
and affordable...”



Pre-Hung Units

- Factory assembled pre-hung units ensure that door and frame are perfectly matched
- On site labour costs can be reduced by preparing for all locks and keeps

Construction

- High performance, low maintenance
- Engineered for dimensional stability
- Minimal environmental impact

Thermal Performance

- High performance insulating cores
- Through door U value of $0.55W/m^2K$, up to four times the thermal insulation of a solid timber door
- Door edge detail enables the retention of a thermal barrier with most hinge types
- Draught proofing
- High quality compression weatherstrip
- Unique Weatherguard threshold
- U values of doorsets for use in building regulation calculations are available from our Technical Department

Hinges

- Security interlocking hinges to BS EN 1935 as standard
- Exhaustively tested for durability and corrosion resistance



Glazing

- A wide variety of options are available to create an individual entrance
- Glazing options conform to BS 6206 and BS EN 1279

Decoration

- All doors are supplied primed or pre-finished in a range of standard colours with an additional option of wood stain for the GRP Fibrecolour door

Building Regulations

- Suitable sill and threshold combinations available to comply with Part M
- Door widths of 845mm and 914mm provide the correct clear minimum openings required for traditional new build, local authority and housing association projects

Secured by Design

- A range of doors specifically designed to meet the Police Preferred Specification
- The doors have been tested at a UKAS accredited test laboratory for compliance with PAS 23 and PAS 24
- The IG SBD approved range of doors carry independent approval from the British Board of Agrément (BBA)

Frames

- Manufactured to order and available customised to specific requirements
- Available in softwood, PVCu and, on request, hardwood

01 GRP Fibrecolour Doors

Introduction

IG Doors' range of glass reinforced polymer (GRP) composite doors combines stunning looks with high performance and low maintenance.

Where a particular project requires a top-of-the-range door product, the GRP Fibrecolour door fits the bill. Custom built to developers' requirements for both new build and refurbishment applications, high performance GRP Fibrecolour doors will outperform their more traditional solid timber and PVCu counterparts. The durable construction of the glass reinforced polymer slab makes it tough enough to resist dents and to minimise the effect of scratches, whilst remaining completely resistant to all that the weather can throw at it. With a GRP Fibrecolour door you can be assured that the realistic timber good looks will stand the test of time.

GRP Fibrecolour doors are supplied as complete systems consisting of doors pre-hung in frames fitted with weathersealing components to ensure maximum effectiveness with minimum site labour.

GRP Fibrecolour door specifications

DOOR CONSTRUCTION

GRP Fibrecolour doors are constructed using two 2mm thick GRP woodgrain skins permanently bonded to a perimeter sub-frame of synthetic material and filled with an insulating polyurethane core. The rigid polyurethane foam core is CFC and HCFC free, has an ozone depletion potential (ODP) of zero and a global warming potential (GWP) of less than five. The synthetic material of the sub-frame can be worked in a similar way to timber. GRP Fibrecolour doors can be trimmed in width and cut-down in height, allowing the doors to be sized to fit existing openings for refurbishment projects. The slab construction provides a fully sealed product impervious to moisture.

THERMAL PERFORMANCE

GRP Fibrecolour doors have a U value through the door of $0.55\text{W/m}^2\text{K}$, equivalent to approximately four solid timber doors. U values of doorsets for use in building regulation calculations are available from our Technical Department.

FIRE RESISTANCE

Selected door styles are available as FD30, FD30S and Secured by Design accredited. (See pages 14 - 15 for details)

“high performance, low maintenance...”





Features and Benefits

- GRP Fibrecolour doors feature realistic timber texturing to provide all the natural beauty of timber with none of the disadvantages
- GRP doors provide an aesthetically similar alternative to solid timber doors but do not warp, bow or split
- Excellent sound and thermal performance
- Thermal insulation value of up to four times that of a solid timber door
- Tough enough to resist dents and to minimise the effect of scratches
- Available in a choice of five self coloured finishes
- Available in a choice of three authentic timber stain factory finishes
- Available in primer finish for on-site painting if required
- Environmentally friendly polyurethane insulating foam core
- Durable construction with GRP skins
- Available in a range of standard sizes for new build or bespoke sizes for refurbishment work
- Available with a wide range of ironmongery and glazing options
- Superb performance and low maintenance

01 GRP Fibrecolour Doors

GRP Fibrecolour Doors

STYLE RANGE



NG01



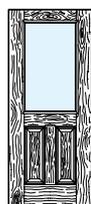
NG02



NG04



NG05



NG06



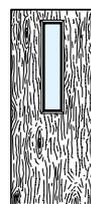
NG09



NG11



NG17



NG18



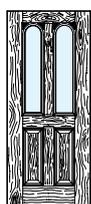
NG22



NG29



NG30



NG32



NG33



NG37



NG39



NG40



NG41



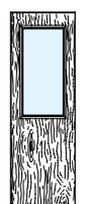
NG42



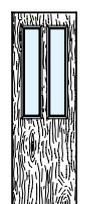
NG48



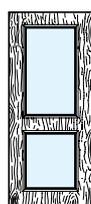
NG51



NG52



NG53



NG54



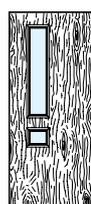
NG68



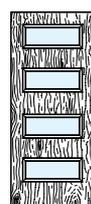
NG70



NG74



NG75



NG76



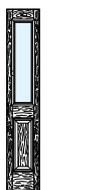
NG77

GRP Fibrecolour Sidelights

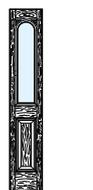
STYLE RANGE



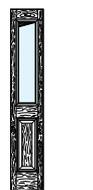
NGS5



NGS8



NGS16



NGS17



Colour Options

GRP Fibrecolour doors can be supplied with the external panels self coloured in a choice of five standard colours as shown, with pigmented skins to provide greater scratch resistance. The internal panel is supplied in white.

Doors can also be supplied in a primer finish for on-site painting or painted to any standard RAL or BS colour, subject to volume, for a truly bespoke finish.



White



Red



Blue



Green



Black

Timber Effect

To fully appreciate the grained timber effect of the GRP Fibrecolour door why not opt for one of the three attractive woodgrain finishes available to the external panel. This factory finish brings the warmth of a real wood effect without the problems of using a natural product. The internal panel is supplied in white.



Mahogany



Medium Oak



Light Oak

Timber Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
849mm x 2097mm	762mm	25mm	-
932mm x 2097mm	845mm	25mm	775mm
951mm x 2097mm	864mm	25mm	800mm
1001mm x 2097mm	914mm	25mm	850mm

Nominal overall size based on FS/002 frame section

PVC U Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
851mm x 2098mm	762mm	25mm	-
934mm x 2098mm	845mm	25mm	775mm
953mm x 2098mm	864mm	25mm	800mm
1003mm x 2098mm	914mm	25mm	850mm

Nominal overall size based on SW/700 frame section

Notes

Frames can be supplied in softwood or PVCu. Structural openings to be 6-10mm greater than the frame size. Frames can be supplied with glazed or matching sidelights and/or fanlights - please see frame section pages 22-23 for further details. Frame heights are indicative only and will depend on selecting the correct sill to match the build detail. Hardwood frames can be supplied on request.

Decorative Glazing Options

GRP Fibrecolour doors are available with a range of glass options to suit every taste in traditional and modern designs with a wide range of glass effects. Please see pages 24-27 to choose a design.

Ironmongery

Using our modern CNC cutting machines we can prepare for a wide range of ironmongery to suit the function and style required by our customers. This includes the traditional mortice locks, nightlatches and multipoint locks. Please see pages 28-29 for the full range of ironmongery supplied.

02 Original Steel Doors

Introduction

Proven in use since 1979, in locations ranging from prestige city centres to rural hillsides exposed to the worst of the weather, Original Steel doors are truly outstanding.

Local authorities, housing associations, national major house builders and regional developers have all chosen to combine the visual appeal of traditional panelled doors with the energy saving, easy care characteristics that make Original Steel doors such high performers. They meet the exacting standards of newly built homes and provide an aesthetically acceptable means of improving the thermal performance of entry systems in older properties.

Original Steel doors offer a long lasting, low maintenance solution to the bowing, cracking, splitting and warping problems inherent in some solid timber doors. To ensure maximum effectiveness with minimum site labour, Original Steel doors can be supplied as complete doorsets comprising doors pre-hung in frames fitted with weathersealing components, or frames can be supplied in advance of doors to suit the build programme.

Original Steel Door Specifications

DOOR CONSTRUCTION

The Original Steel door is robustly constructed from two 24 gauge galvanised steel surfaces permanently bonded to a perimeter sub-frame of timber or synthetic stiles and rails, and filled with an insulating polyurethane core. The rigid polyurethane foam core is CFC and HCFC free, has an ozone depletion potential (ODP) of zero and a global warming potential (GWP) of less than five. The steel skins have smooth external and internal faces.

THERMAL PERFORMANCE

Original Steel doors have a U value through the door of 0.55W/m²K, equivalent to approximately four solid timber doors. U values of doorsets for use in building regulation calculations are available from our Technical Department.

SOUND INSULATION

The Original Steel half glazed door has been tested by A.I.R.O (Acoustical Investigation and Research Organisation) and is capable of achieving an average sound reduction index (100-3150Hz) of 29 db.

FIRE RESISTANCE

Certain door styles are available as FD30, FD30S and Secured by Design accredited. (See pages 14-15 for details)





Features and Benefits

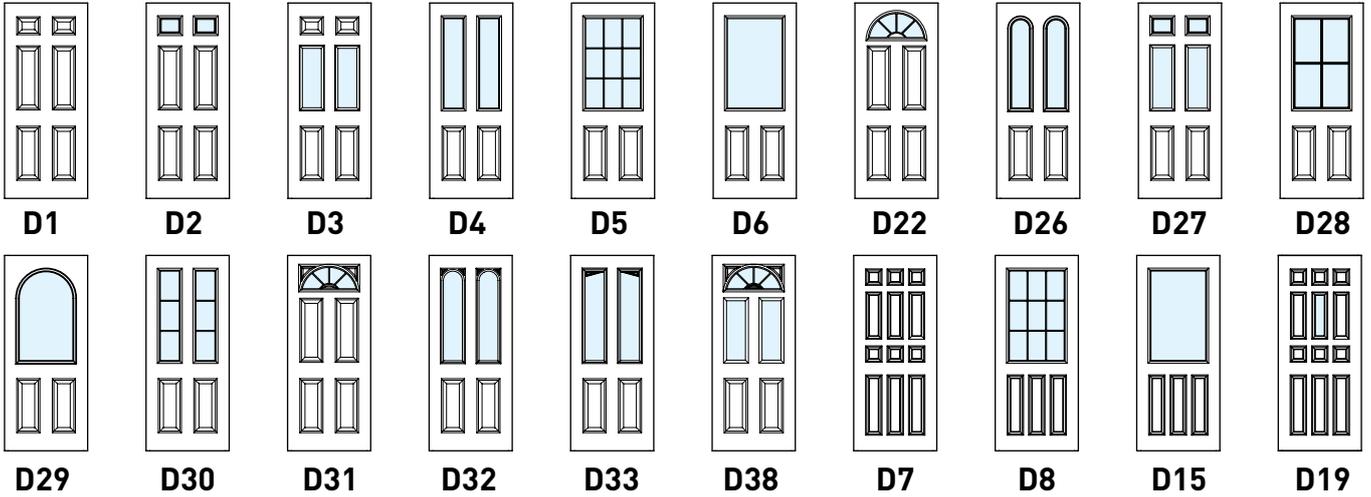
- Original Steel doors are available in a wide choice of traditional , cottage and contemporary styles
- Available primed for on-site painting or pre-finished in a choice of five standard colours
- Steel composite doors provide an effective alternative to solid timber doors but do not warp, bow or split
- Excellent sound and thermal performance
- Thermal insulation value of up to four times that of a solid timber door
- Environmentally friendly polyurethane insulating foam core
- Durable construction with galvanised steel skins
- Available in a range of standard sizes particularly suitable for new build applications
- Available with a wide range of ironmongery and glazing options
- Long lasting and low maintenance

“durable construction, excellent thermal performance...”

02 Original Steel Doors

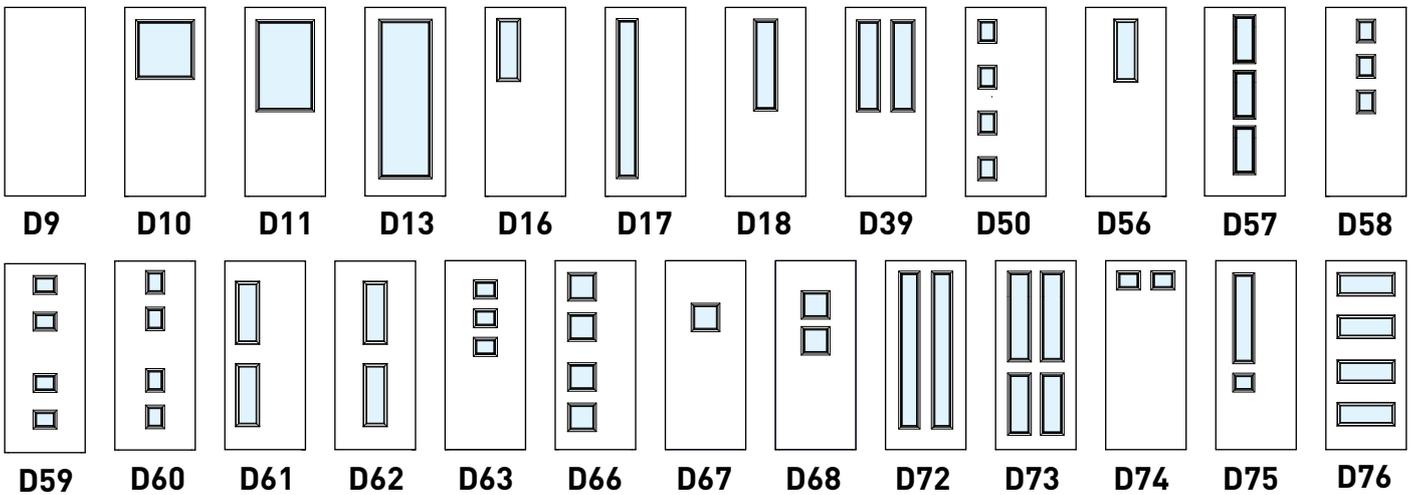
Panelled Doors

Traditional looking panel designs to suit most building styles



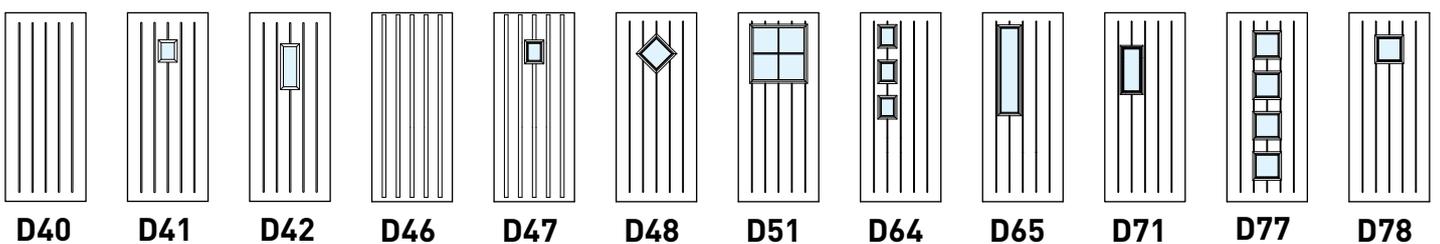
Contemporary Doors

Flush non-panelled doors with a more modern feel (refer to our modern glass designs on page 25 for additional impact)



Cottage Doors

Doors incorporating a vertical ribbed design to give the appearance of a traditional cottage style door.

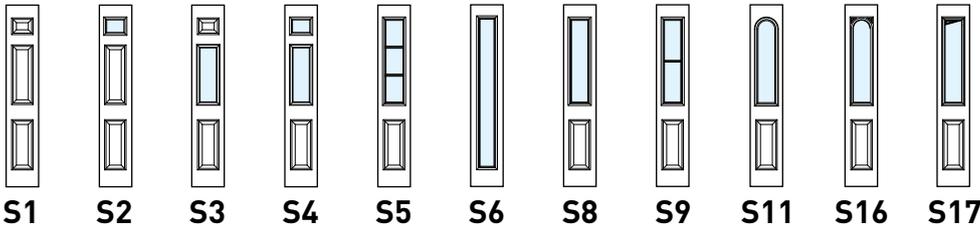


Notes

Letterplate positions for each door style can be provided on request. Standard positions may change dependent on the ironmongery selected. Door designs D46 and D47 include timber laths attached to the external face of the door.

Original Sidelights

Sidelights to complement the Original Steel door styles



Pre-finished Doors

Original Steel doors are supplied as standard in a primer finish ready for on-site painting. A factory applied paint finish in a choice of five standard colours is an optional extra. Doors can be painted to any standard RAL or BS colour, subject to volume, for a truly bespoke finish.



Timber Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
844mm x 2090mm	757mm	45mm	-
884mm x 2090mm	797mm	45mm	-
932mm x 2097mm	845mm	25mm	775mm
1001mm x 2097mm	914mm	25mm	850mm

Nominal overall size based on FS/002 frame section

PVCu Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
846mm x 2091mm	757mm	45mm	-
886mm x 2091mm	797mm	45mm	-
934mm x 2098mm	845mm	25mm	775mm
1003mm x 2098mm	914mm	25mm	850mm

Nominal overall size based on SW/700 frame section

Decorative Glazing Options

Original Steel doors are available with a range of glass options to suit every taste in traditional and modern designs with a wide range of glass effects. Please see pages 24-27 to choose a design.

Ironmongery

Using our modern CNC cutting machines we can prepare for a wide range of ironmongery to suit the function and style required by our customers. This includes the traditional mortice locks, nightlatches and multipoint locks. Please see pages 28-29 for the full range of ironmongery supplied.

Notes

Frames can be supplied in softwood or PVCu. Structural openings to be 6-10mm greater than the frame size. Frames can be supplied with glazed or matching sidelights and/or fanlights - please see frame section pages 22-23 for further details. Frame heights are indicative only and will depend on selecting the correct sill to match the build detail. Hardwood frames can be supplied on request.

03 Fire Doors

Fire Doors

The IG Fire door range is comprehensive and provides solutions for the majority of fire door situations required by housebuilders and refurbishment projects.

Fire doors are tested by independent fire laboratories and are available with a range of ironmongery options. IG Fire doors have been tested to meet the requirements for a 30 minute fire resistance (FD30S) as required for flat entrance doors and most other fire door situations

IG Fire doors are available in a range of softwood frames as pre-hung units complete with intumescent fire seals, smoke seals and sound seals to meet Approved Documents B & E of the Building Regulations.

“fire safe and sound insulated...”

Ironmongery

Garage to house:

5-lever mortice sashlock (BS3621)
Keyed lever furniture
Concealed door closer

Flat Entrance:

Locking Option 1

Euro profile mortice sashlock
Euro profile key/thumb-turn cylinder
Euro profile lever furniture

Locking Option 2

Multipoint locking system
Euro profile key/thumb-turn cylinder

Additional Items:

180° eye viewer
Fire rated letterplate (optional)
Door chain

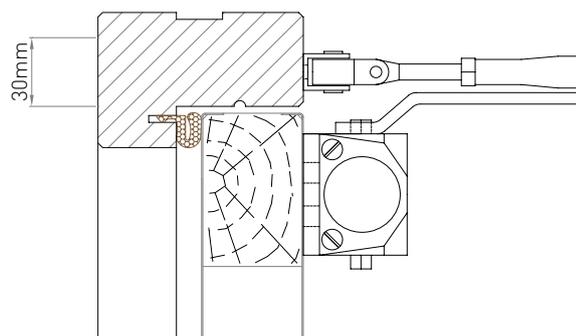
Self-Closing Options:

Concealed door closer
Overhead door closer



Features and Benefits

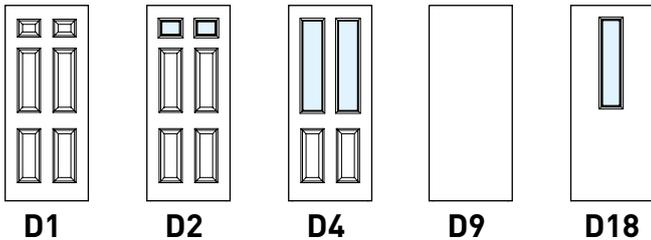
- Available primed for on-site painting or pre-finished in a choice of five standard colours
- Meet Secured by Design standards
- Durable construction that does not warp, bow or split
- Excellent sound and thermal performance
- Acoustic seals to meet Part E of Building Regulations
- GRP Fibrecolour variants available in three attractive woodgrain finishes
- Glazed options available



Minimum frame head depth required for fitting of overhead closer

IG Fire Door Styles

IG Fire doors are available in GRP Fibrecolour or Original Steel variations



Fire Resistant Glazing

Fire resistant glass is available as a double glazed unit with the inside pane laminated and the external pane in Georgian wire. The Georgian wire pane is available textured or flat.

Self Closing Devices

Fire doors are usually required to have self closing devices fitted. IG Doors recommends the use of overhead type controlled closers to EN 1154 for this purpose. The closers used are rated for the weight and size of the doors supplied.

Jamb type concealed closers can be supplied on request but IG Doors Ltd accepts no responsibility for the ability of this type of device to fully close a door. The ability of any closer to close a door is dependent on the free movement of air on both the opening side and closing side of the door.

Overhead closers require a minimum of 30mm fixing space at the head of the frame and also clearance at the reveal to allow the door to open to 90°. Please ensure your build detail allows sufficient space.

Timber Frame Sizes – Original Steel Door			
Overall Frame Size	Door Width	Sill Height	Clear Opening
844mm x 2064mm	757mm	20mm	-
884mm x 2064mm	797mm	20mm	-
932mm x 2091mm	845mm	20mm	775mm
1001mm x 2091mm	914mm	20mm	850mm

Nominal overall size based on FS/035 frame section and enhanced frame head

Timber Frame Sizes – GRP Fibrecolour Door			
Overall Frame Size	Door Width	Sill Height	Clear Opening
849mm x 2091mm	762mm	20mm	-
932mm x 2091mm	845mm	20mm	775mm
951mm x 2091mm	864mm	20mm	800mm
1001mm x 2091mm	914mm	20mm	850mm

Nominal overall size based on FS/035 frame section and enhanced frame head



Overhead Closer



Fire Rated Letterplate

Notes

Direct glazed screens and fanlights are also available. Hardwood frames are available on request. Please contact the Technical Department with your requirements.

04 Secured by Design Doors



Crime Reduction and Responsibility

Secured by Design (SBD) is the UK police flagship initiative supporting the principles of designing out crime. Supported and managed by the Association of Chief Police Officers, the initiative has achieved significant successes as demonstrated by research carried out by Huddersfield University. This shows that residents living in SBD developments experience between 54% and 67% less crime.

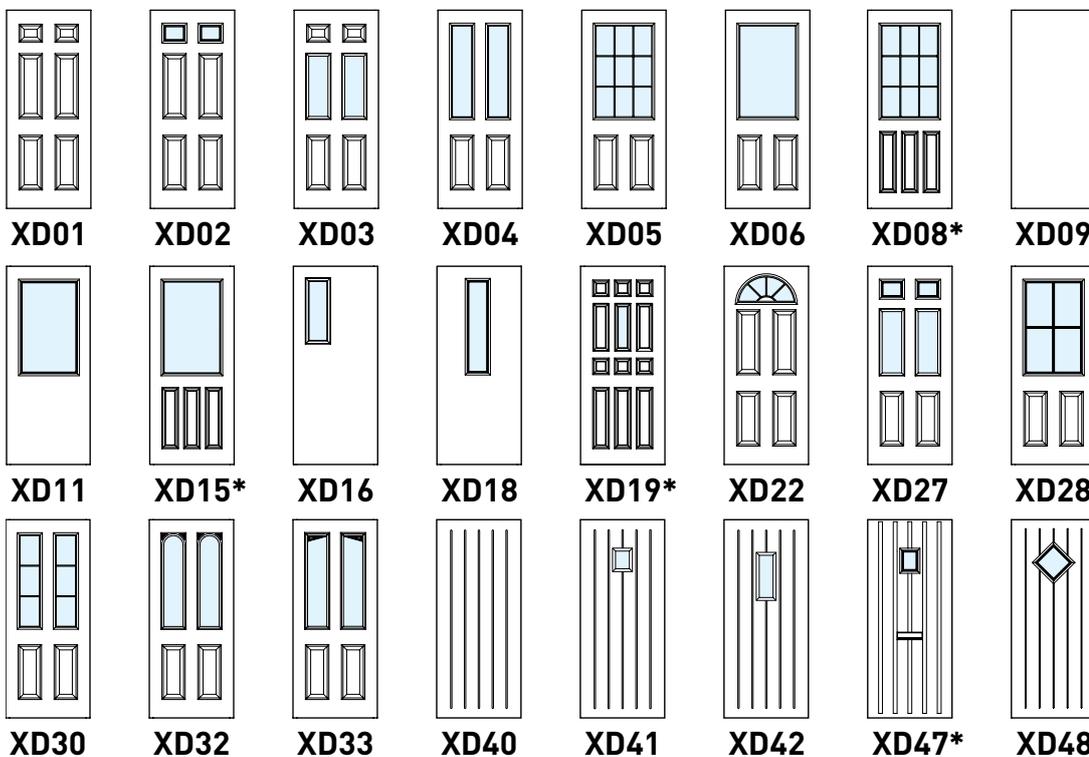
All local authorities have a responsibility under Section 17 of the Crime & Disorder Act 1998 to take account of community safety and crime reduction in all aspects of their duties.

Secured by Design Licensed Products

Essential to the SBD scheme are Licensed Products which are successfully tested to meet the relevant Police Preferred Specifications. The Specifications for doors are PAS 23-1:1999, which is a performance standard that certifies that a doorset is fit for purpose; and PAS 24-1:2007 which covers enhanced security performance requirements for door assemblies. To ensure compliance the IG Secured by Design approved range of doors are third party accredited by the British Board of Agrément (BBA).

PAS 24-1:2007 is an attack test standard that certifies that a door, frame, lock and hardware set has withstood a series of physical tests based on common methods of burglary using defined sets of tools and attack time.

Secured By Design Door Styles



Decorative Glazing

IG Secured by Design approved doors are available with the full range of decorative glass options as detailed on pages 24-27. Laminated glass is used in one pane as required by the SBD specification.



Features and Benefits

- High security 2 hook multipoint lock
- Laminated glass
- High security glazing cassette
- Available in Steel and GRP
- Available with letterplate security hood, door chain and eye viewer
- Secure bolt through furniture
- Available with cylinder security pack



Anti-manipulation cylinder

Timber Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
849mm x 2097mm	762mm	25mm	-
884mm x 2090mm	797mm	45mm	-
932mm x 2097mm	845mm	25mm	775mm
1001mm x 2097mm	914mm	25mm	850mm
1001mm x 2097mm	914mm	25mm	850mm

Nominal overall size based on FS/002 frame section

PVCu Frame Sizes			
Overall Frame Size	Door Width	Sill Height	Clear Opening
851mm x 2098mm	762mm	25mm	-
886mm x 2091mm	797mm	45mm	-
934mm x 2098mm	845mm	25mm	775mm
1003mm x 2098mm	914mm	25mm	850mm
1003mm x 2098mm	914mm	25mm	850mm

Nominal overall size based on SW/700 frame section

	GRP Fibrecolour only
	Original Steel only

“enhanced security, less crime, peace of mind...”

Notes

Standard SBD frames are available in softwood, PVCu and, on request, hardwood. Other fully accredited and tested frame designs include fanlights and sidelights, although certain restrictions apply. *Door styles available as Original Steel only.

05 Communal Entrance Doors



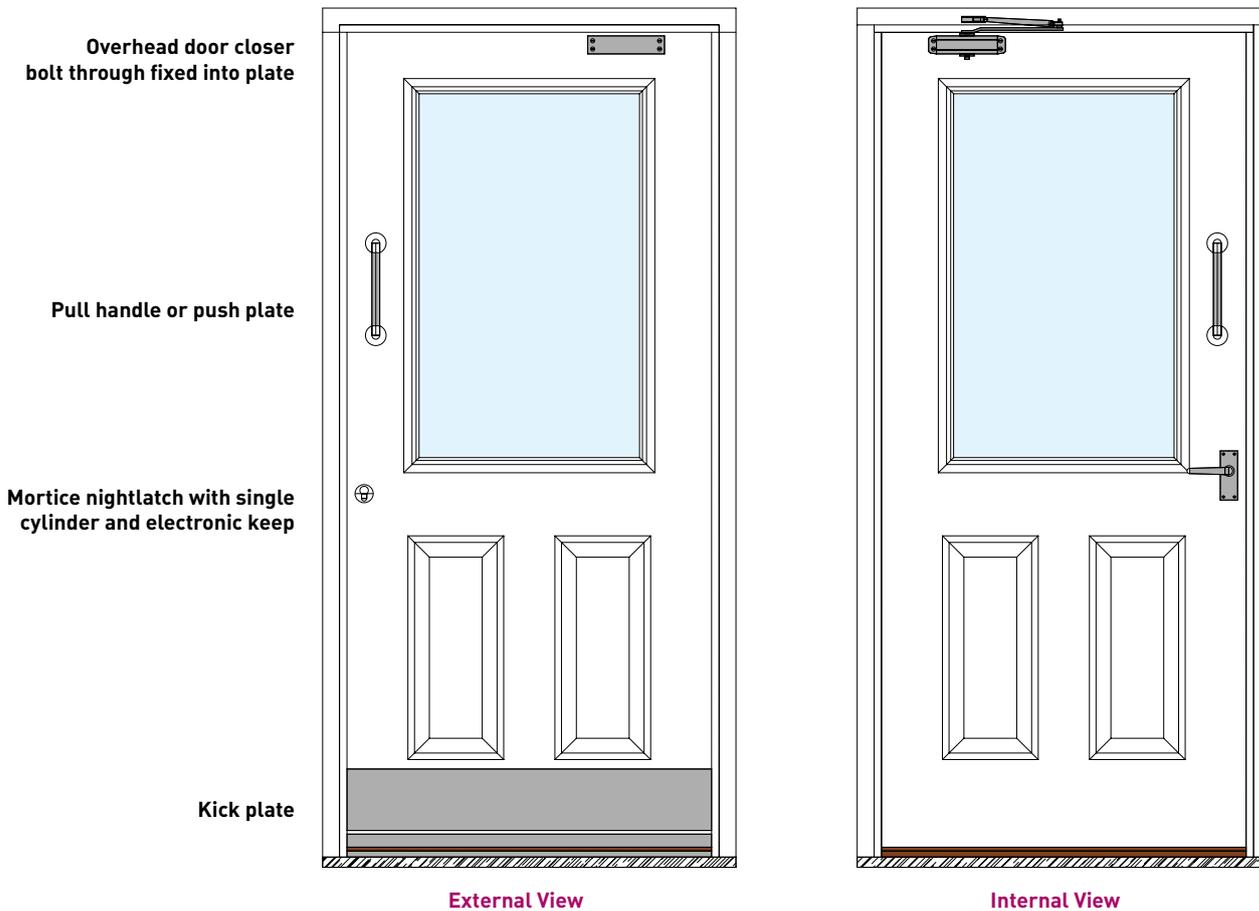
Communal Entrance Doors

In addition to their widespread use in single occupancy dwellings, IG doors can also be specified for multi-occupancy developments in the form of communal entrance doors. The durable construction and wide choice of panel designs combine to form an attractive yet secure main entrance to any building.

An IG communal entrance door provides a robust and effective solution to access control and is fully compatible with mechanical locking systems as well as more complex electronic locking mechanisms. Whatever your specification, IG Doors can assist.

“safe and secure
access control...”

Typical Communal Entrance Specification for Open In Unit



Communal Entrance Doors

- Doors are available as Original Steel or GRP Fibrecolour
- Doors can be supplied for either 'open in' or 'open out' applications
- Mortice nightlatch for keyed entry, or used in conjunction with electronic keep for entry linked to access control systems
- Master keying and suiting of common entrances is available
- Electronic multipoint lock is available
- Frames are available in softwood and PVCu
- Frame designs as fanlights and sidelights are available
- Optional ironmongery items include:
 - Kick plates
 - Push plates
 - Pull handles
 - Security lock plate (open out)
 - Key / thumb-turn oval cylinder



Optional Electronic Multipoint Lock

- Linked to various types of access control solutions
- Typically, remote access control via proximity key fob
- Provides enhanced security
- Door always in locked position when closed



Door Closers

- Preferred specification is for an overhead type self closing device
- Suitable for both 'open in' and 'open out' applications
- Minimum power size EN3 in accordance with BS EN 1154:1997
- Suitable for doors up to 950mm wide and a maximum of 60kg
- Overhead closers require a minimum of 30mm fixing space at the head of the frame and also clearance at the reveal to allow the door to open to 90°
- Adjustable closing speed / latch action
- Available in silver or gold finish
- Decorative cover available
- Other closing devices can be supplied on request, see page 15 for further details
- Please contact the Technical Department for use in conjunction with a PVCu frame.

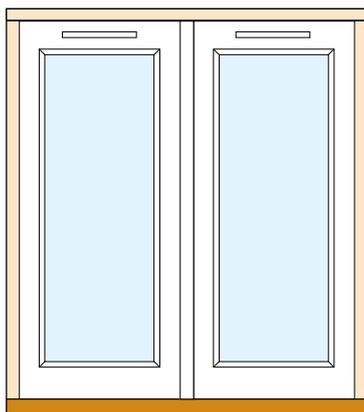


06 Double Doors

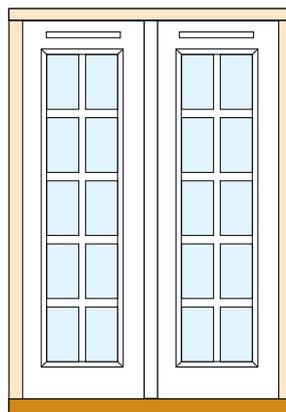
Double Doors

In order to bring high performance benefits to all entrances in a dwelling, IG Doors can provide units supplied as double doors. In this way, extra-wide openings for patios, terraces, balconies and the like can be provided with all the long-lasting, low maintenance benefits of IG door systems.

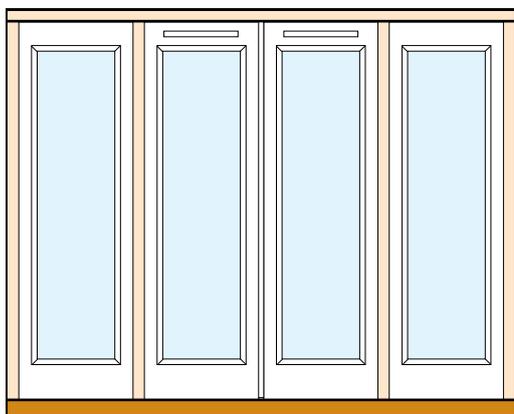
- Doors are available as Original Steel
- Double doors can be supplied for either 'open in' or 'open out' applications
- Double glazing conforms to BS 6206 and BS EN 1279
- For 'open out' double doors 90° friction stays are available on request
- Trickle ventilation providing 5,000mm² of equivalent area is provided as standard on each leaf
- Combination frame types are available utilising fixed sidelight units
- Please contact the Technical Office for any build dimensions not listed in the tables opposite.



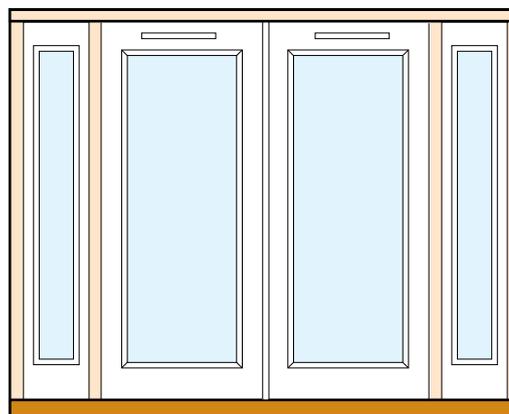
FT210



FT210G



FT370



FT250



Frame Type	Door Style	Door Width	Door Height	Unit Widths
FT210	DD13 or DD13G	546mm	1973mm	1197mm
		604mm	1973mm	1313mm
		696mm	1973mm	1497mm
		757mm	1973mm	1619mm
		797mm	1973mm	1699mm
		845mm	2000mm	1795mm
		914mm	2000mm	1933mm
DD13G has white Georgian bars within its double glazing				

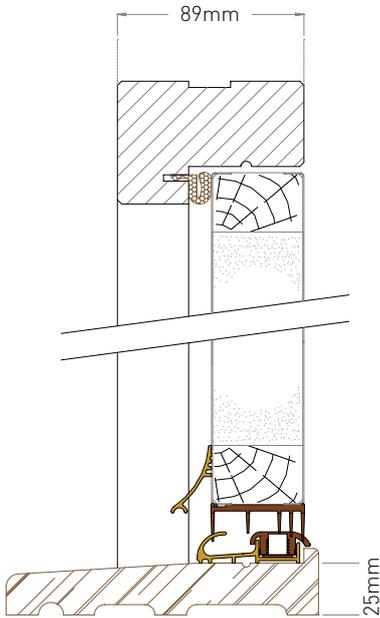
Frame Type	Door Style	Door Width	Door Height	Unit Widths
FT250	DD13 and S6	757mm	1973mm	2384mm
		797mm	1973mm	2464mm
		845mm	2000mm	2560mm
FT370	DD13 and Matching Doors	696mm	1973mm	2953mm
		757mm	1973mm	3197mm
		797mm	1973mm	3357mm
FT250 has double sidelights				
FT370 has double matching doors as sidelights				

“easy access to patio, garden, terrace or balcony...”

Notes

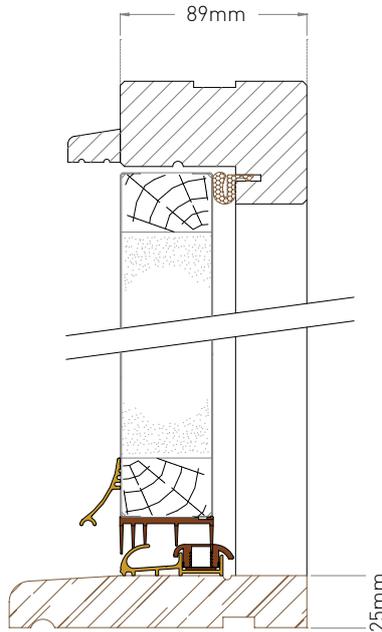
Frame heights are dependent on door size, sill section and frame construction details.

07 Frame & Sill Section



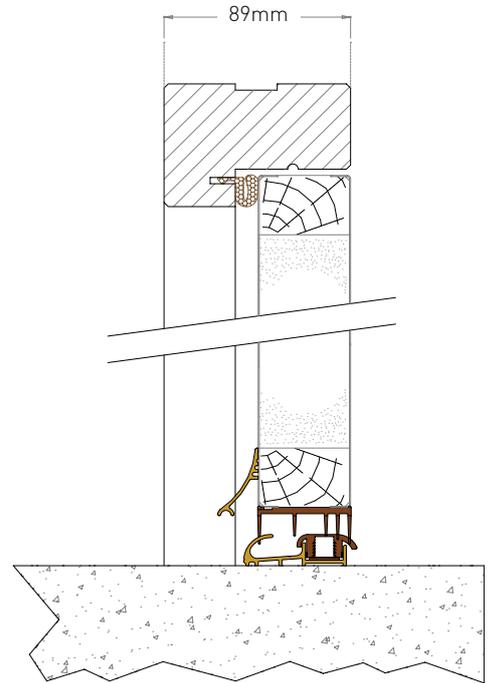
OPEN IN APPLICATION

Available in 142mm, 175mm and 190mm
25mm Sill Section



OPEN OUT APPLICATION

Available in 142mm, 175mm and 190mm
25mm Sill Section



DIRECT TO CONCRETE APPLICATION

Weatherguard Threshold Fitted Direct
To Concrete

Alternative Frame Designs

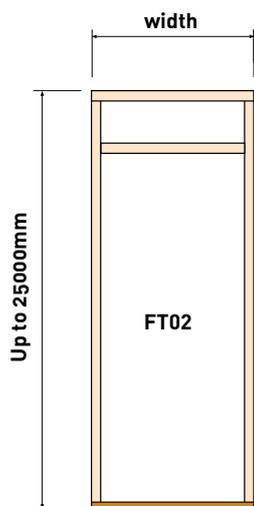
Some examples of the more common frame types are shown below. Special frame sizes and combinations are available on request, as are the choice of frame materials and sill thicknesses. Low profile aluminium sills are an available option. Most frame designs are also available in white PVCu.

Please contact the Technical Department for further information

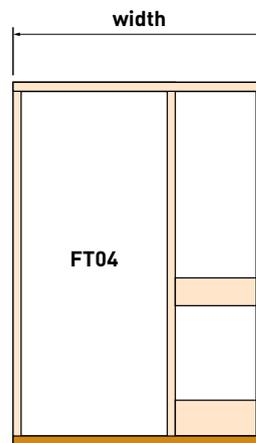
Timber Frame Type	Width (mm)	
	Min	Max
FT02	844	1001
FT04	1200	2100
FT08	1500	2400

Minimum width based on a 757mm doors
Maximum width based on a 914mm doors

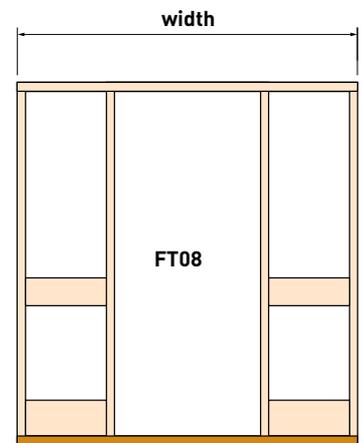
PVCu Frame Type	Width (mm)	
	Min	Max
PV02	846	1003
PV04	1200	2100
PV08	1500	2400



Single direct glazed fanlight frame



Single door with single direct glazed sidelight



Single door with double direct glazed sidelight

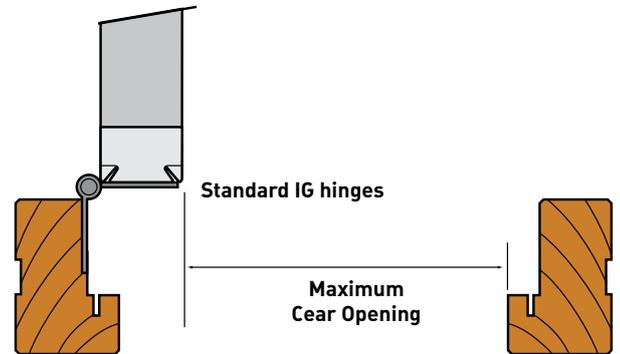
Notes

Softwood frames are supplied as standard with a yellow dual purpose primer without knotting compound being applied. A good quality shellac knotting compound should be applied prior to painting with conventional alkyd paints. Knotting is not recommended with wood stains and some moisture vapour permeable paint systems. Timber effect sills will be supplied in synthetic or hardwood material as available.

Accessibility Solutions

Frame sill section and threshold combinations are available to provide successful solutions to all forms of access to dwellings. Full compliance with both Part M of the Building Regulations and the Lifetime Homes Standard can be achieved.

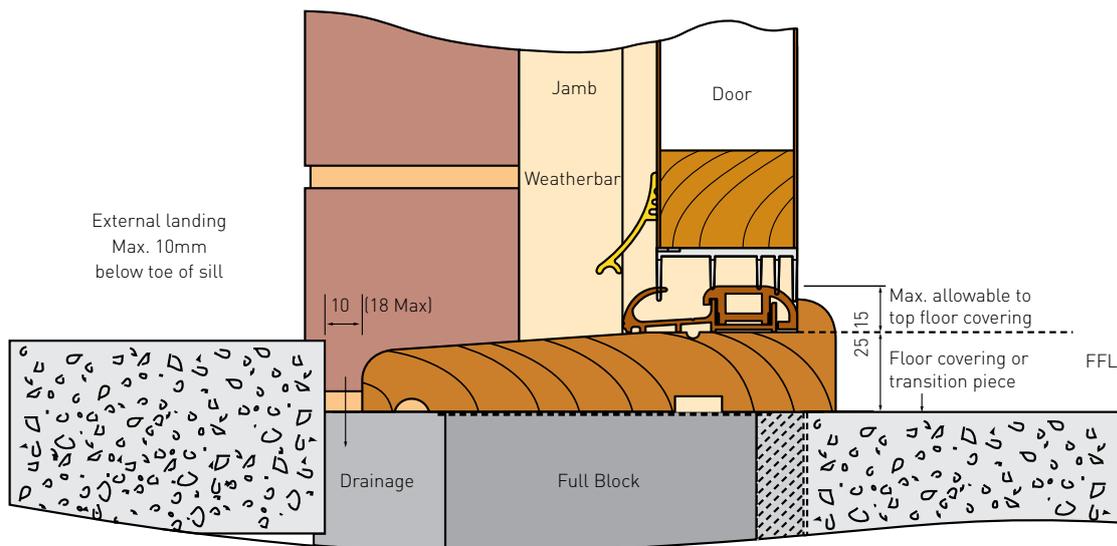
- Level access over the threshold
- Clear opening of at least 775mm (up to 850mm possible)
- No vertical change of threshold height of more than 15mm
- Rounded or chamfered leading edges of threshold
- The slope of the sill no greater than 15°



Door Width (mm)	Maximum Clear Opening (mm)
845	781
864	800
914	850

Weatherguard Threshold

- Robustly constructed for long, trouble-free life
- Ensures a continuous effective seal against draughts and wind-driven rain
- Forms an integral and unobtrusive part of the door frame



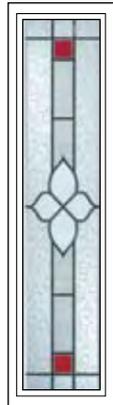
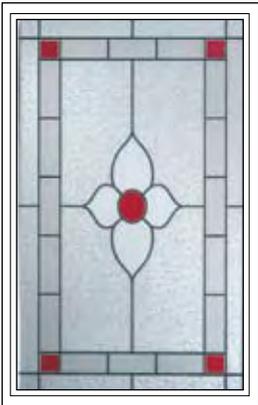
Sill and Threshold Detail

08 Decorative Glazing

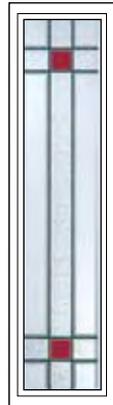
Touch of Silk

Designed to provide attractive and economical enhancement to IG doors, the **Touch of Silk** range of glazing uses a special process to reproduce the appearance of authentic leaded lights including coloured and sand-etched glass. Units are double-glazed with the design turned to the inside of the air space for easy cleaning and protection of the decorative finish.

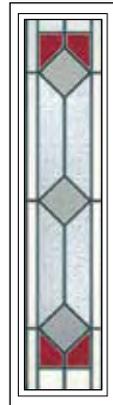
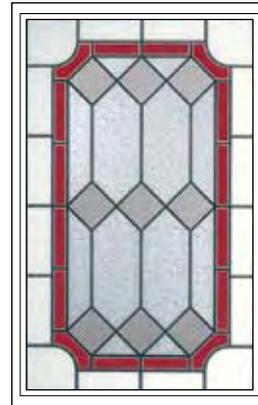
Blenheim (Red)



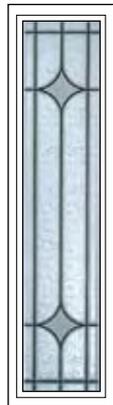
Windsor (Red)



Buckingham (Red)



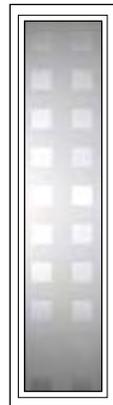
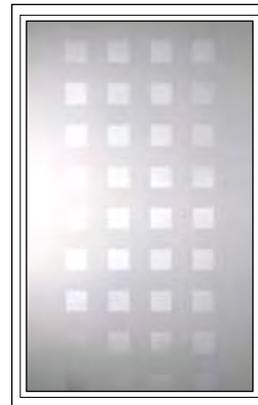
Nipigon



Cardigan



Daybreak



Colour Options

Available in colour options below (excluding Daybreak and Simplicity)



Red

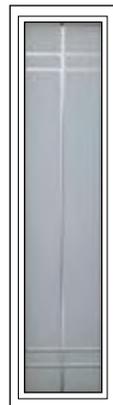


Green



Blue

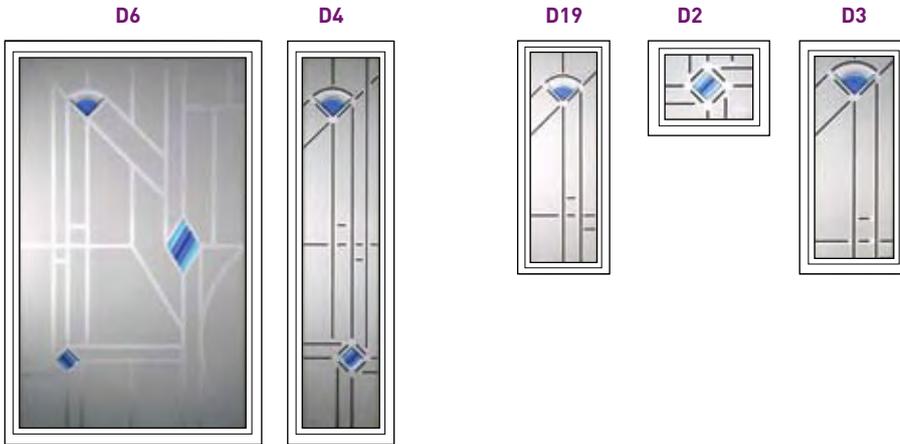
Simplicity (Grooved Silkscreen)



IG Decorative Glazing Options For Doors & Sidelights

Touch of Fusion

Create a fashion statement with these modern fused glass tile designs.



Colour Options

Available in colour options below

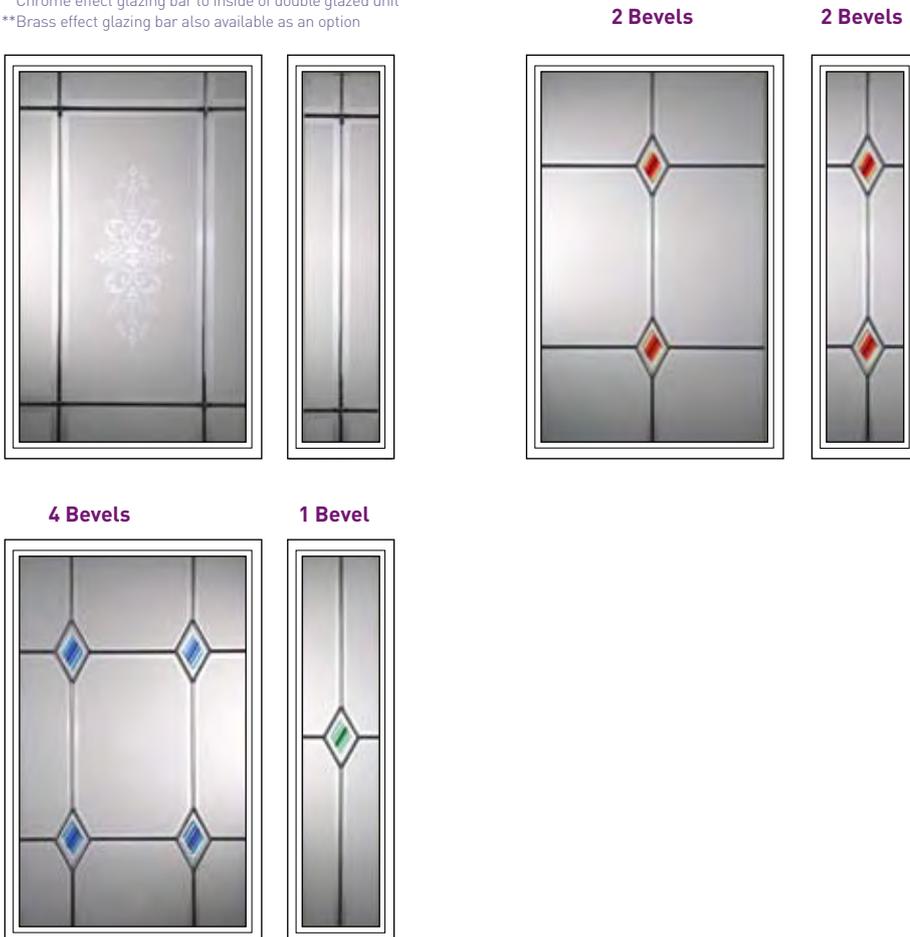


Touch of Chrome

The **Touch of Chrome** range of glazing offers an attractive sand-etched design with 8mm chrome effect Georgian bar within the double glazed unit.

Caerphilly**

**Chrome effect glazing bar to inside of double glazed unit
**Brass effect glazing bar also available as an option



Colour Options

Available in colour options below and as a clear bevel

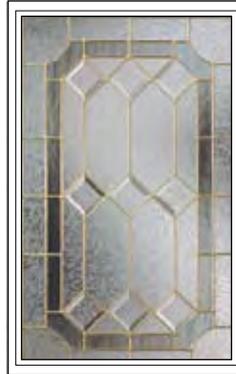


08 Decorative Glazing

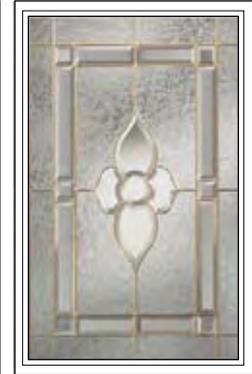
Touch of Elegance

The **Touch of Elegance** range of glazing units combines timeless designs with the finest quality to create IG doors of truly outstanding style and distinction. The range features hand-crafted authentic polished coming and leaded glass panels with patterns composed of stained, glue chip, frosted and bevelled glass. The decorative glass is sealed between two panels of clear, toughened glass to make a triple pane unit. Triple glazing not only improves the thermal properties but also protects decorative panels and allows for easy cleaning. Due to the nickel veining design, Madison units are double pane only.

Trinity



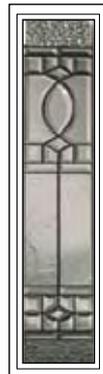
Georgian



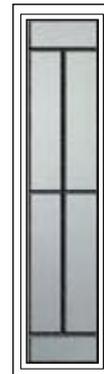
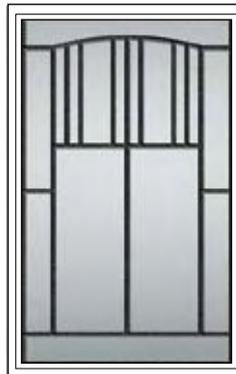
Bristol



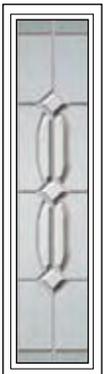
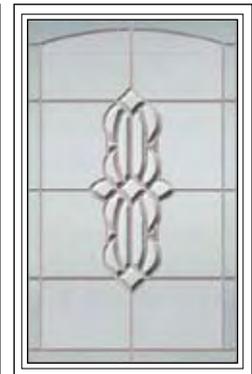
Paris



Madison



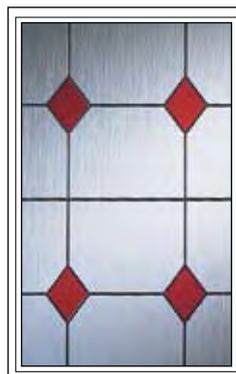
Corvina



Touch of Colour

The **Touch of Colour** range provides all the attractiveness of traditional leaded glass, in modern design form, to create IG doors of style and character. The units are double glazed (18mm air space) in toughened glass, comprising an outer skin of clear coloured glass with a lead feature and an inner skin of obscure glass.

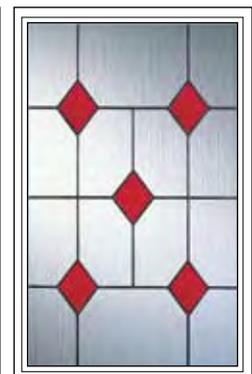
TOC 1A



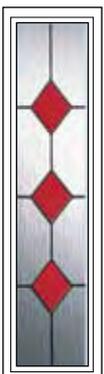
TOC 2A



TOC 11E



TOC 12E

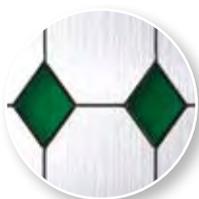


Colour Options

Available in colour options below



Red



Green

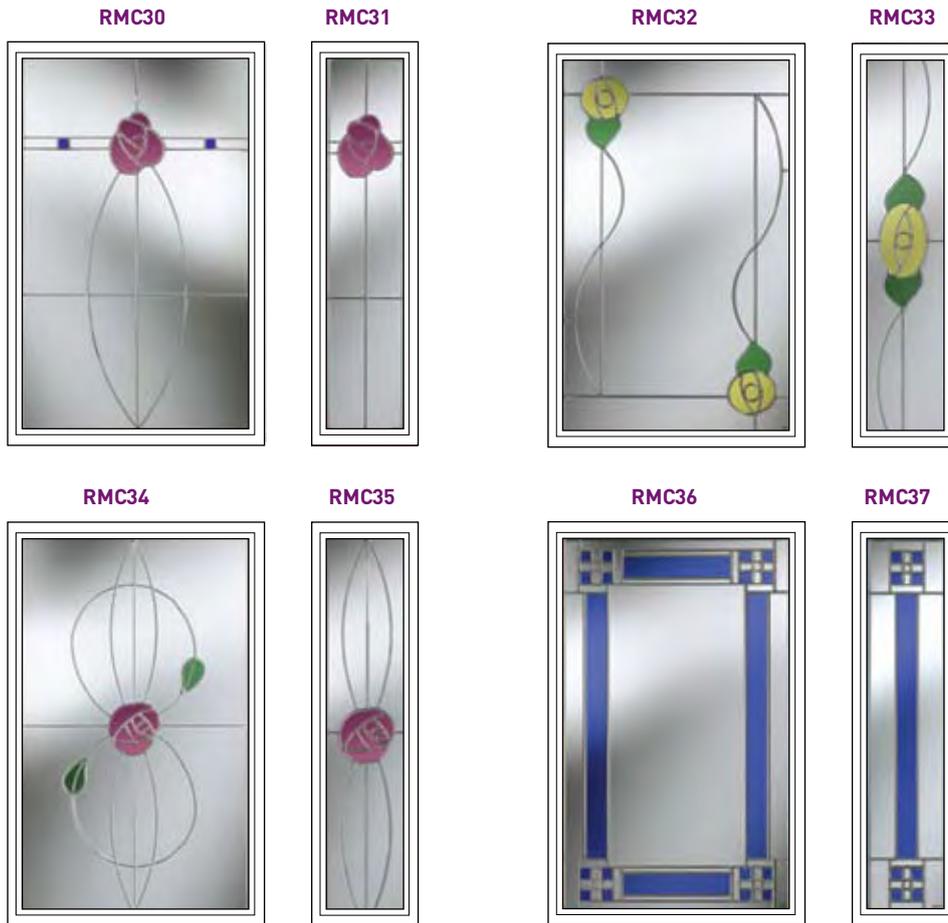


Blue

IG Decorative Glazing Options For Doors & Sidelights

Touch of Mackintosh

The Mackintosh style inspired range of glazing units provide four designs in an art nouveau style to complement both contemporary and traditional built homes. The glazing unit construction is based on the ever popular Touch of Colour range.



Touch of Privacy

The Touch of Privacy range offers a simple and convenient solution to control light level and privacy with a quick and easy touch of the finger. The blind is sealed between two clear panes of toughened safety glass for a longer, dust free life.



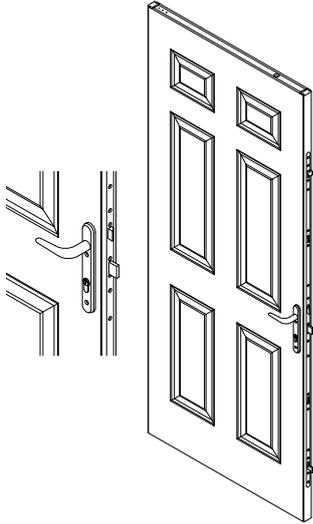
Notes

Most designs are also available with laminated glass to the external face of the unit.

09 Ironmongery

Ironmongery

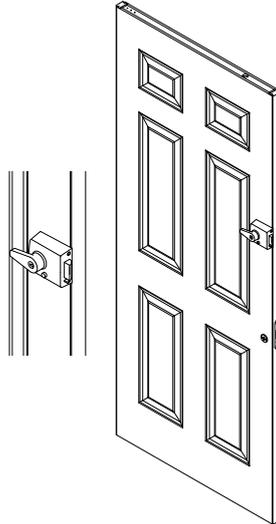
Multipoint Locking System



MULTIPOINT LOCKING SYSTEM

- 3 point locking
- Central brass deadbolt
- Twin high security brass hooks
- Standard 92mm unsprung levers
- Euro profile cylinders
- 45mm backset
- Adjustable keeps

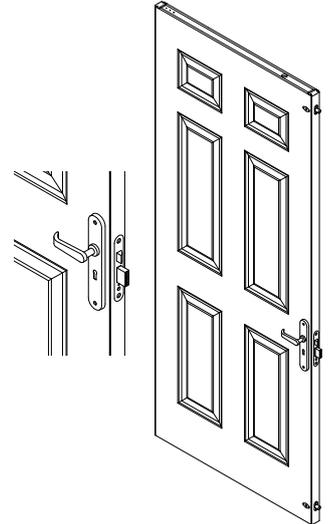
Nightlatch and Deadlock



NIGHTLATCH

- Double locking nightlatch
- 40 or 60mm backsets
- Auto deadlocked when door closed
- Snib to withdraw and hold bolt
- Key operated deadlocking of internal handle
- BS 3621:2004 lock available
- Polished brasslux body brass cylinder
- Satin body - satin cylinder
- Polished chrome body chrome cylinder

Sashlock and Security bolts



SASHLOCK

- 5-level mortice sashlock
- BS 3621:2004
- Keyed from both sides
- Suitable for sprung lever furniture
- Brass finish
- Satin chrome finish
- Euro profile option available



LEVER FURNITURE

- Scroll lever
- Straight lever
- Brass
- Brass PVD
- Chrome
- Satin Anodised
- Gold Anodised



CYLINDER PULL

- Solid polished brass
- Polished gold anodised
- Satin aluminium
- Chrome



LEVER FURNITURE

- Sprung lever handles keyed
- Sprung lever handles - Euro profile
- Facefix or bolt through
- Brass
- Satin anodised
- Chrome



CYLINDERS

- BS EN 1303 Grade 5
- Over 35,000 key combinations
- Key / Key
- Key / Thumb-turn
- Brass
- Satin Anodised



DEADLOCK

- Keyed from both sides
- Bolt action only
- BS 3621:2004
- Brass finish
- Satin chrome finish
- Euro profile option available



SECURITY BOLTS

- Key operation
- Thumb-turn operation
- Brass finish
- Satin chrome finish

Letterplates



SLEEVED

- Double sided weathersealed letterplate
- Telescopic moulded sleeve
- Fully sealed internal and external flaps
- Insulating brush strip fitted
- Integral sound dampening bumpers
- Letterplate flap opens out to 180°

FINISHES:

- Gold anodised
- Satin anodised
- Polished gold
- Polished Silver

SOLID

- Traditional cast letterplate
- Bolt through fixings to the door
- Letterplate flap has stainless steel mechanism
- Separate internal tidy recommended
- Separate door liner recommended

FINISHES:

- Polished Brass
- Chrome
- PVD option available

Auxiliary Items

LEVER FURNITURE

- Finishes: Brass or Chrome



SECURITY HINGE

- Finishes: Yellow zinc plated or Bright zinc plated



NUMERALS

- Finishes: Brass, Satin Anodised or Chrome



EYE VIEWER 180°

- Finishes: Brass or Satin Chrome



DOOR CHAIN

- Finishes: Brass or Satin Chrome



URN DOOR KNOCKER

- Finishes: Brass or Chrome



Notes

For severe environmental conditions, for example, coastal areas, it is recommended that PVD ironmongery is specified. PVD (physical vapour deposition) brass ironmongery provides extremely high quality and high wear resistance. The majority of ironmongery for the external face of the door can be supplied in PVD. Where the specification of ironmongery differs from the IG Standard Range, samples of the proposed ironmongery will be required before preparation of door panels can be undertaken. IG Doors can supply other door furniture on request.

10 Corporate & Social Responsibility

Corporate and Social Responsibility

IG Doors Ltd recognises its responsibility to all business stakeholders, whether employees, suppliers, customers, investors or members of the local community. The Company has developed a number of key strategic policies in the areas of:

Health and Safety

IG Doors is committed to safeguarding the Health, Safety and Welfare of employees, visitors and residents when manufacturing and installing its products. All significant Health and Safety hazards posed by the Company's activities are continually assessed and an appropriate set of Health and Safety arrangements are in place to control them. The implementation of these arrangements is monitored and reviewed on a regular basis with action taken to redress any deficiencies and to ensure continuous improvement. Planning is undertaken for all projects to control and eliminate the level of risk imposed, ensuring it is minimal and tolerable. The mark of excellence in Occupational Health and Safety was attained in 2008 with a ROSPA Gold award. Additionally, IG Doors is working towards compliance to BSI OHSAS 18001:2007.

Environmental Management

The Company recognises its important role in conserving the environment for future generations and aims to pursue a sound environmental strategy through the implementation of its environmental policy and by setting annual environmental objectives and targets. The Company also aims to achieve compliance with all relevant legislative standards and regulations.

The responsibility for implementing the environmental policy lies with the management team, assisted by employees at all levels. The Company encourages staff training and development to ensure that commitment to the policy can be fulfilled.

The main aspects of the Company's strive for environmental excellence include:

- the prevention of pollution
- a reduction in energy consumption
- a reduction in waste generation
- an increase in the use of sustainable materials

Recycling is given high importance within the organisation. Further information can be obtained from:

<http://www.wasteconnect.co.uk>

Continuous product improvement has helped the Company to stay at the forefront of environmental initiatives such as EcoHomes and The Code for Sustainable Homes.

Procurement

In line with the Company's environmental objectives, the Purchasing Team make every effort to forge relationships with like-minded suppliers to ensure responsible procurement. The Company is committed to sourcing all timber related products from legal sources. It is imperative that the supply chain demonstrates an improving programme of sustainability with, where possible, auditable independent certification.

Customer Satisfaction

Delivery performance statistics and customer facing issues are regularly discussed at a weekly Key Performance Indicator (KPI) meeting. A dedicated Customer Service team provides the focus for a customer's initial contact with the Company.

Employee Development and Training

The Company is committed to developing staff through in-house and external training measures in order to allow duties to be performed effectively. An annual Appraisal Scheme formally assists in identifying critical training/development requirements.



Fixing, Finishing & Maintenance

Building In Pre-Hung Units

- Securely fix pre-hung unit square and plumb into brick/blockwork coursings. 4 fixing points per jamb are recommended using suitable frame anchors.
- Allow brick/blockwork to set around the frame before removing the shipping clip and bracings.
- The door may be removed by carefully tapping out the hinge pins. Keep these with the door which should be stored on its side to prevent damage to door bottom seal. Code doors and frames to ensure proper matching on refitting.
- Follow the hardware fitting instructions below.

Fixing Pre-Hung Units In to Existing Openings

- Check that rough opening is square and plumb.
- Apply sealant to the floor slab and to the underside of the sill.
- Centre the unit in the rough opening and hold in place by placing shims between the wall and the jambs, making sure the unit is square, plumb and the sill fully supported.
- Remove any shipping clip and/or bracings to allow the door to operate.
- Firstly, fix the hinge jamb to the wall with suitable fixings, Fischer Fix frame bolts or similar are recommended. Secure top and bottom fixing first. Re-check that the frame is plumb and square. Adjust the shims between the lock jamb and the wall if necessary.
- Starting at the bottom, fix the lock jamb to the wall through the rebate. After fixing at the bottom, check that the frame has not twisted by trying the door for contact with the compression weatherstrip. Adjust jamb position if required. Fix at remaining positions.
- Follow the hardware fitting instructions below.

Hardware Fitting and Finishing

- Where applicable, fit lock into pre-cut position and secure.
- Where applicable, face-fix lever by carefully drilling through the skin and fastening wood screws into timber lock block.
- Where applicable, fix lock keep into position.
- If required, 'ease' the door before painting.

Additional information for PVCu Framed Units

- Door and frame must be fitted as a complete unit.
- To avoid distortion, packers must be used between frame and wall at fixing positions, and also behind the locking keeps.
- When fixing is complete, the door should be closed against the weatherseal ensuring it makes full contact.

Storage

- Best practise for storing multiple door units would be to lay the units flat on an even surface (batten side down) or on a storage pallet.
- Door units should be stacked to a safe working height commensurate with the working environment and secured with rigid banding.
- This is a recommendation only as a full risk assessment should be undertaken on site.

Weatherguard

- In order to be effective, the weatherguard threshold must be fixed securely using the holes provided.
- The threshold should be sealed with suitable silicon sealant underneath and at the ends.
- The vinyl crown of the sill must be in contact with the door bottom seal.

Applying Paint Finish to Primed Doors

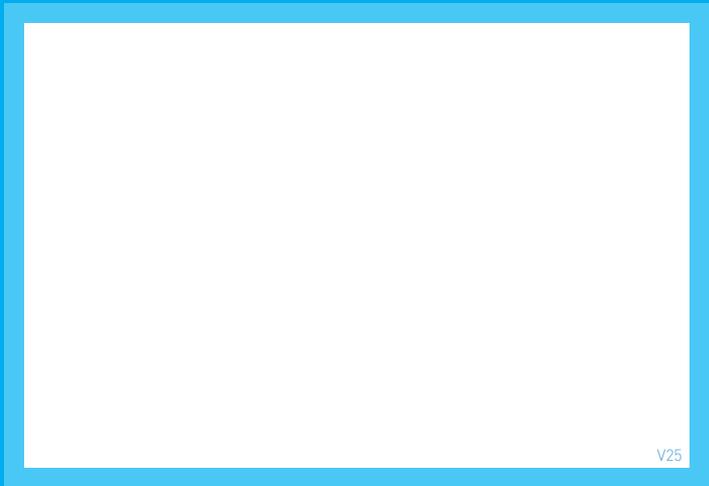
- The sheen of the primer coating must be removed by lightly rubbing with fine abrasive paper.
- Clean off all dust and dirt with detergent and water and allow to dry.
- Apply paint (undercoat and gloss) to door and glazing frames following paint manufacturer's instructions. Do not paint the weatherstrip.
- The glazing frame must be painted.
- Make sure the door is completely dry before closing to avoid marking the face of the door with the weatherstrip.

Repairing Dents or Scratches to Primed Doors

- Accidental dents or scratches may be easily repaired as follows:
- Sand the damaged area making sure all the base primer is removed.
- Apply a fibreglass plastic filler (similar to that used for car body repair) and follow the manufacturer's instructions.
- Rub down repaired area and re-prime.

Cleaning the Door and Fittings

- Brass fittings on IG doors are coated with hardwearing clear lacquer to prevent tarnish and discolouring.
- To prolong the life of the door furniture and the pre-finished face of the door, regular dusting with a soft cloth or camel hair brush, supplemented by occasional washing with warm soapy water, is recommended.
- Lubricate door mechanism with a light oil annually.
- Avoid scratches from rings and keys.



V25

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