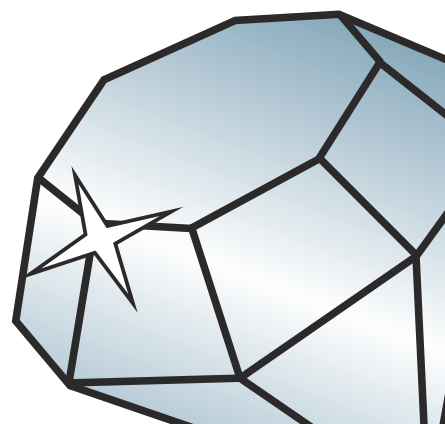


# Aluminium Bifold Doors

Help and Compare Guide



DURATION  
WINDOWS



# Contents

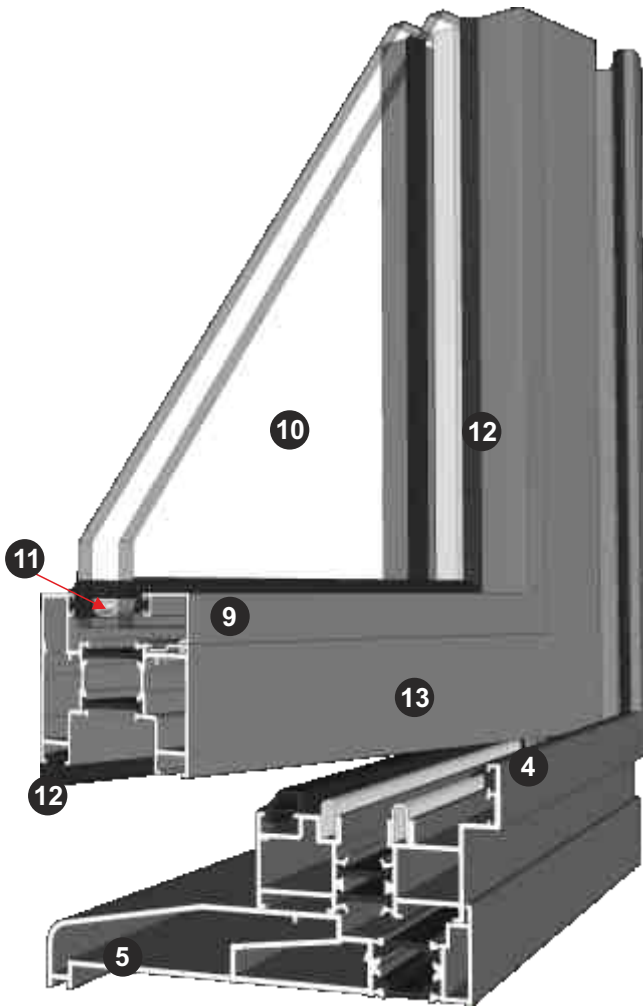


## **Profiles**

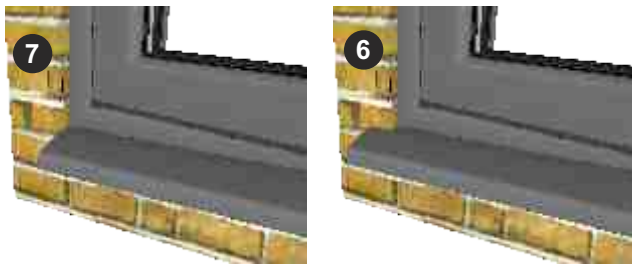
Terminology	3 - 4
Our Doors Compared	5
Thresholds	6
Traffic Door & Configurations	7
Sashes, Beads, Hinges & Gaskets	8
Glass Options	9
Handle Options	10
Integrated Blinds	11
Fixing & Delivery	12

# Terminology

## Terms We Use For Our Doors



- 1) Finger shoot bolt: The locking system used on a slave door.
  - 2) Lever Handle: A handle used on a traffic door.  
More images on page 10.
  - 3) Intermediate handle: A handle used on the intermediate panels to operate the shoot bolt lock.  
More images on page 10.
  - 4) Up stand: An extended leg which the doors close up against.
  - 5) Projection Cill: An optional section of metal that projects forward away from the door and helps to protect your brick work.
  - 6) Cill Horns: When the cill is cut longer over your brick work.
  - 7) Cut Flush: When the cill is cut the same size as the product.
  - 8) Trickle Vents: These are optional to the product and fit into the head. They allow a small flow of air into the room.
  - 9) Glazing beads: The section of metal that holds the glass in place.
  - 10) Glazed unit: The glass section for the doors.
  - 11) Spacer bar: The section between the two glass sheets that keep them apart.
  - 12) Gaskets: The rubber section used in multiple areas as weather seals.
  - 13) Sash / Leaf: The section that forms the opening panel of the door.
  - 14) Quad Trim: A 15mmx15mm aluminium trim with a radius edge.
- Draught pile / wool pile: The furry section used on some doors between the frame and sash.
- Profile: What we call the section of metal that make the products.



# Terminology

## Terms We Use For Our Doors



1) Traffic Door: These are independent doors that operate like a normal front door.

2) Slave Door: These are secondary independent doors that only operate after the traffic door has been used - just like normal French doors.

3) Intermediate Door: The folding set of doors.

4) Jamb: The sides of the door.

5) Head: The top of the door.

6) Threshold: The bottom section of the door you will walk over.



# Comparing Our Doors

## Emperor Concealed

- All hinges are concealed within the frame for a sleek modern look.
- Uses low maintenance, hard wearing powder coated aluminium.
- 66mm rebated threshold - Fully weather Rated.
- 25mm low rebated threshold with optional clip in cill- Weather rated.
- Available with PAS24 or SBD security upon request.
- Glass to glass sightline of 135mm.
- Doors are bottom hung and run on double stainless steel tracks.
- All door styles have the option to open in or out.
- Available with over 15 textured finishes, 7 conventional finishes & over 200 RAL finishes.



## Durafold 1000

- Uses low maintenance, hard wearing powder coated aluminium.
- 15 & 20mm flush threshold or 49.5mm rebated threshold.
- Glass to glass sightline of 132mm.
- Exceptional array of security features as standard.
- Low U-values of 1.7 W/M<sup>2</sup>K or upgrade to 1.5 W/M<sup>2</sup>K.
- Doors are bottom hung and run on double stainless steel tracks.
- All door styles have the option to open in or out.
- Available with over 15 textured finishes, 7 conventional finishes & over 200 RAL finishes.



## Durafold Slimline

- Slimmest sightlines - less metal and more glass.
- Uses low maintenance, hard wearing powder coated aluminium.
- 54mm rebated threshold.
- Glass to glass sightline of 108mm.
- Exceptional array of security features as standard.
- Doors are bottom hung and run on double stainless steel tracks.
- All door styles have the option to open in or out.
- Available with over 15 textured finishes, 7 conventional finishes & over 200 RAL finishes.



## Continental

- Panel widths of up to 1200mm and heights of 3000mm.
- Uses low maintenance, hard wearing powder coated aluminium.
- 34mm flush threshold or 54mm rebated threshold.
- Glass to glass sightline of 140mm.
- Available with PAS24 security upon request.
- Low U-values of 1.7 W/M<sup>2</sup>K or upgrade to 1.5 W/M<sup>2</sup>K.
- Doors are bottom hung and run on double stainless steel tracks.
- All door styles have the option to open in or out.
- Available as a corner post door with floating post. External corner, Rebated threshold, Open out only & limited configurations. See full brochure for details.
- Available with 2 textured finishes, 5 conventional finishes & over 200 RAL finishes.



# Thresholds

The threshold is the bottom section of the door that you cross over to enter or leave the property. All bifold doors will have one of these but they do come with varying options. The main descriptions are rebated threshold or low threshold.

## Rebated Threshold

Rebated thresholds have an up stand to one half of the section making it fully weather rated. They can be sunk into the floor level to create a neater finish with less trip hazards; as long as the building / floor levels allow. Although there is a possibility of sinking the thresholds this will always result in different floor levels from inside to outside.



\*Durafold 1000 rebated threshold shown.

## Low Threshold

Low thresholds are the same size inside & outside making it not weather rated. These can be sunk into the floor to create a seamless look from inside to outside. These are not weather rated due to the fact draft pile is used between the sash and threshold which we can not guarantee that in extreme cases, wind and driving rain will not penetrate one or more levels.



\*Durafold 1000 20mm low threshold shown with optional clip in ramps

## Low Rebated Threshold

Low rebated thresholds are slim but with a small up stand to the back which provides weather protection making it weather rated. This threshold can be sunk into the floor to create a more flush look but will still result in a small difference from inside to outside. Emperor Concealed only.



\*Shown with optional clip in cill

## Rebated Threshold With Integrated Cill

Rebated threshold with an integrated cill will be fully weather rated due to the up stand (like the rebated threshold). This can be sunk into the floor level if the project allows but due to the integrated cill will always result in a different level inside to outside. Note this threshold is limited to the Durafold 1000.



Main Threshold Options	Emperor Concealed	Durafold 1000	Durafold Slimline	Continental
Rebated Threshold	66mm Fully Weather Rated	52mm Fully Weather Rated	54mm Fully Weather Rated	54mm Fully Weather Rated
Low Threshold	N/A	20mm or 15mm Not Weather Rated	N/A	34mm Not Weather Rated
Low Rebated Threshold	25mm Weather Rated	N/A	N/A	N/A
Rebated Threshold With Integrated Cill	N/A	52mm Fully Weather Rated	N/A	N/A

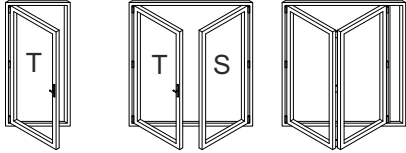
Please note all sizes above are based on the internal measurement of the threshold on an open out door.

# Traffic Doors and Configurations

These are independent doors that operate like a normal front door. Traffic doors are only achievable when a bifolding door is configured with an odd amount of panels such as 3 panels. If the configuration results in an even amount of panels such as 4 then this would not have a traffic door unless it was split to result in an odd amount of panels such as a 4 panel split 1-3.

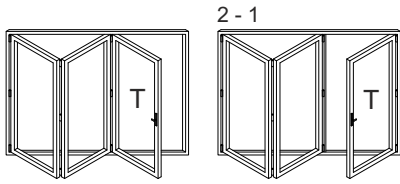
Please see images below to show example configurations:

**1 & 2 Panels**

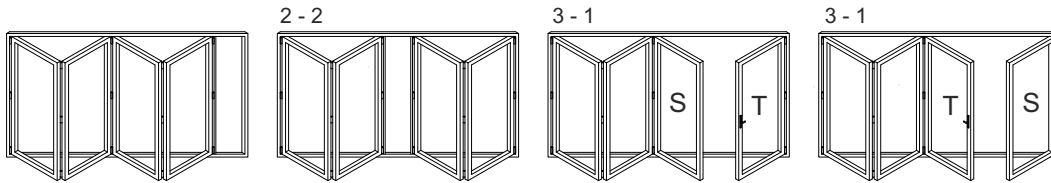


Key	
T	Traffic Door
S	Slave Door

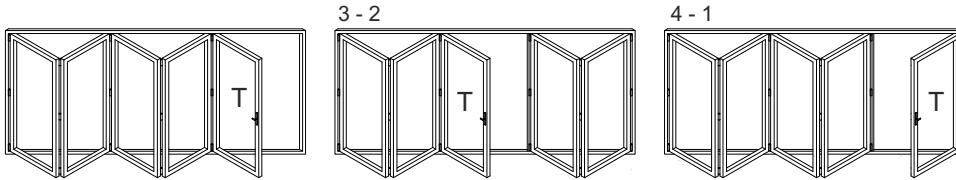
**3 Panels**



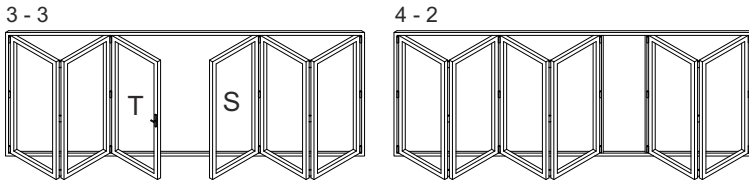
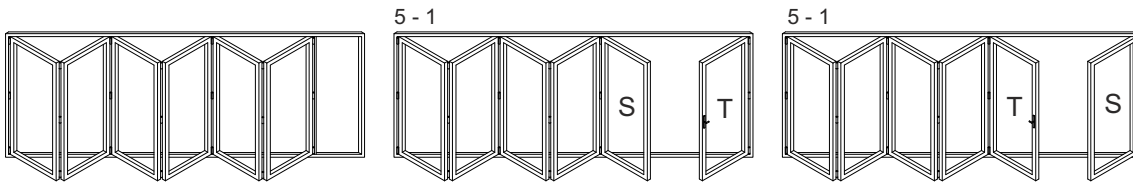
**4 Panels**



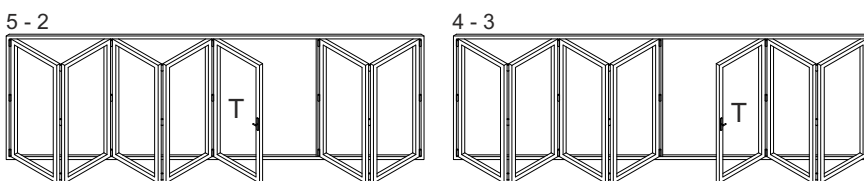
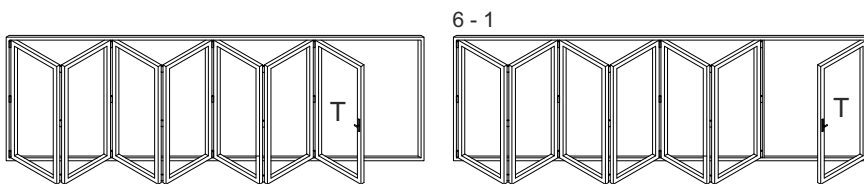
**5 Panels**



**6 Panels**



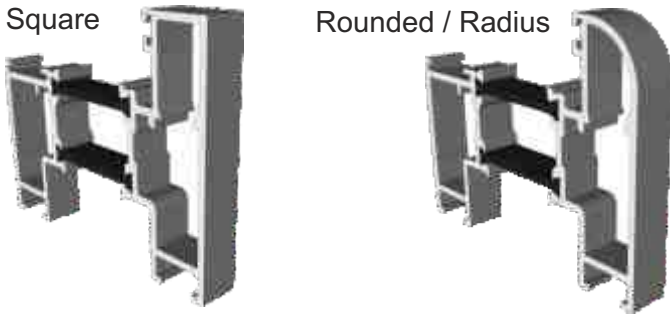
**7 Panels**



# Sash Profile, Glazing Beads, Hinges & Gaskets

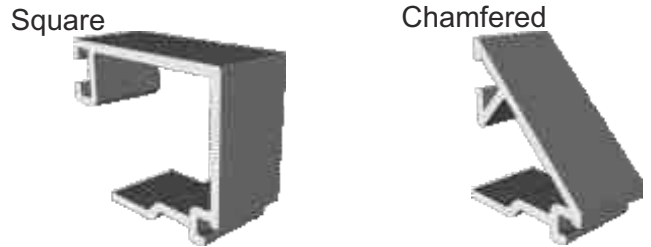
## Sash Profile

The door sash profile is available in two designs externally of square or rounded.



## Glazing Beads

The glazing beads for most doors are available in either a square or chamfered design. These are always on the inside of the bifolding doors.

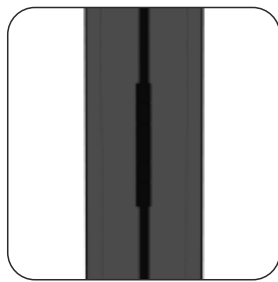


## Hinges

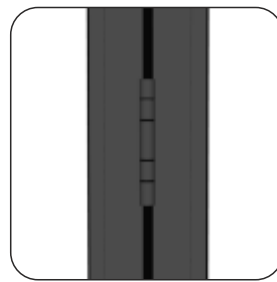
Depending on the door system you choose there are a few options to consider when choosing gaskets and hinges. Take into consideration that the hinges run in line with the gaskets.

Below are some examples of different colour combinations of gasket, door and hinge.

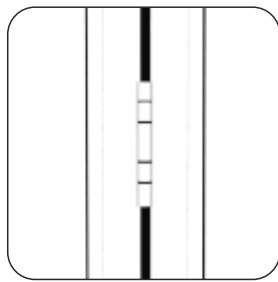
If you are using our Emperor Concealed the Hinges are a black standard only and are not visible when closed.



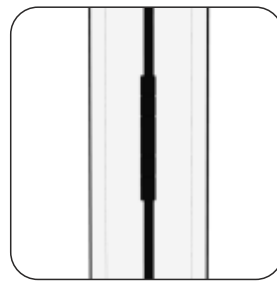
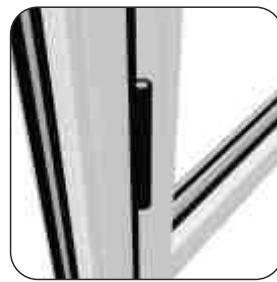
	Door	Hinge	Gasket
Colour	Grey	Standard Black	Black



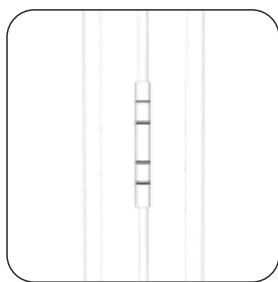
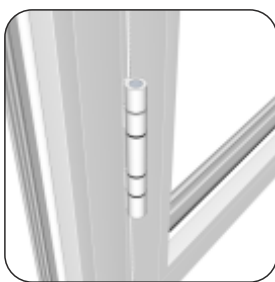
	Door	Hinge	Gasket
Colour	Grey	Custom RAL	Black



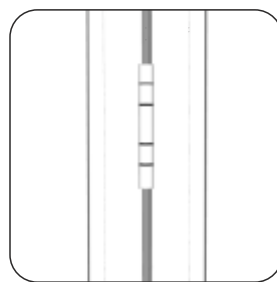
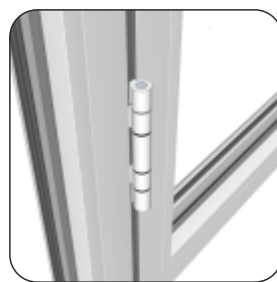
	Door	Hinge	Gasket
Colour	White	Standard White	Black



	Door	Hinge	Gasket
Colour	White	Standard Black	Black



	Door	Hinge	Gasket
Colour	White	Standard White	White*



	Door	Hinge	Gasket
Colour	White	Standard White	Grey



# Glass Options

We can supply our doors glazed with a range of high quality glass or unglazed if you wish to source you own. Our Standard glass is clear toughened 28mm sealed unit, 90% argon filled with a warm edge spacer bar. We also offer a range of other specialist glass at an extra cost.

*Toughened Safety Glass*



Toughened safety glass is high strength and when it breaks it doesn't splinter, it crumbles into small granular chunks.

*Laminated Security Glass*



The glass is held in place by a high strength interlayer, which helps keep the layers of glass bonded even when broken.

*Self Clean & Solar Control*



This glass has self cleaning properties and also works to block and reflect the sun's harmful UV rays. Provides a cooler, safer internal environment.

*SN - Solar Control Glass*



This solar control glass has a U-Value of 1.1  $W/M^2K$  for high thermal efficiency, and works to block and reflect the sun's harmful UV rays, keeping you cooler in the summer and warmer in the winter.

*Self Cleaning Glass*



This glass has a clear self cleaning coating that uses UV light to break down dirt, allowing rain water to wash the dirt away.

*Planitherm 4S - Low U-value*



This glass is a clear sealed unit that will provide a useful improvement in thermal efficiency compared to standard low-E glass. It has a centre pane U-value of just 1.0  $W/M^2K$  in a 24mm unit and will provide for all-year-round comfort.

# Handle Options

## Emperor Concealed

### Traffic Door Handles



White Gloss  
Matt Black  
Chrome  
Brushed Stainless Steel  
Dark Grey 7016 matt  
Vulcan Black  
Trend

### Traffic Door SBD Handles



White Gloss  
Matt Black  
Chrome  
Anodised Silver

### Intermediate Panel Handles



White Gloss\*  
Matt Black\*  
Chrome  
Brushed Stainless Steel  
Dark Grey 7016 matt\*  
Vulcan Black\*  
Trend\*

\*Intermediate handles only have the option of a matching or chrome trim.

## Durafold 1000 / Durafold Slimline

### Traffic Door Handles

Standard  
Lever-Lever

White  
Gloss



Black  
Matt



Chrome  
Effect



Brushed  
Steel



Dark Grey  
7016 matt



### Optional D-Handle

White  
Gloss



Black  
Matt



### Intermediate Panel Handles

Pendulum  
Handle

White  
Gloss



Black  
Matt



Chrome  
Effect



Brushed  
Steel



Dark Grey  
7016 matt



Nouveau  
Pendulum

White  
Gloss



Black  
Matt



Chrome  
Effect



Brushed  
Steel



Dark Grey  
7016 matt



## Continental

### Traffic Door Handles

Standard  
Lever-Lever

White  
Gloss



Black  
Semi-Gloss



Chrome  
Effect



Black  
Chrome



Silver  
Painted



### Intermediate Panel Handles

Pop Out  
T-Handle

White  
Gloss



Black  
Semi-Gloss



Chrome  
Effect



Black  
Chrome



Silver  
Painted



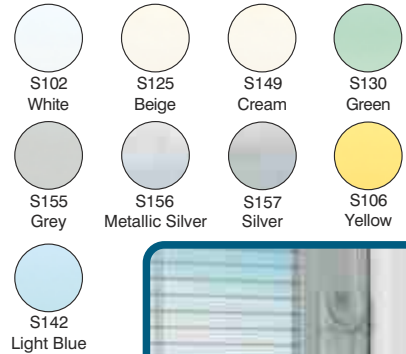
# Integrated Blinds

## Single Rail Magnetic Blinds

Our integrated Venetian style blinds fit neatly inside the double glazed sealed units which not only protects the blinds but keeps them dust and maintenance free. The slats are designed to not only raise and lower the full height of the door panels but they can be tilted so that you have maximum control over the amount of light entering your room.

Using these integrated blinds incorporated into the glazed units allows a room to have both privacy and protection from bright light without blocking all natural light or view. The blades effectively diffuse the light when tilted to different degrees - offering precise control.

### Slat Colours



## Dual Rail Magnetic Blinds

Integrated blinds are Venetian style blinds that are actually installed inside the double glazed sealed unit. Our integrated blinds are manufactured to the internal size of the sealed unit, fitting neatly between the two sheets of glass. The slat raising, lowering and tilting function is achieved using a magnetic transmission through the glass, thereby guaranteeing the unit's hermetic seal.

This integrated blind system is very simple and easy to use and functions with surprising grace and speed. Raise, lower and tilt functionality is achieved by simply sliding the push blocks along side border rails.



### Slats Colours



## Electronic Controlled Blinds

Our integrated Venetian style blinds fit neatly inside the double glazed sealed units not only protecting the blinds but keeping them dust and maintenance free. The slats are designed to not only raise and lower the full height of the door panels but they can be tilted so that you have maximum control over the amount of light entering your room.

The electronic blinds are battery operated using the controller provided which means no costly electricians are needed to install the units. The controllers are re-chargeable using the charger provided and are designed to operate the blinds with raising, lowering, and tilting functions.

There are two options available with these blinds:

- Manual control - supplied with one controller which will operate one blind at a time. The controller must be moved from unit to unit to operate each blind separately.
- Remote control - supplied with a controller for each panel and a separate remote to operate the blind units individually or as a group.

### Slat Colours



# Fixing & Delivery Areas

## Delivery



All of our vehicles carry the latest GPS navigation systems and all of our drivers can be contacted by mobile phone. Using our satellite van tracking systems we are able to keep track on our delivery vehicles 24/7. We can deliver straight to your door or we can deliver to a specified site address.

Our standard delivery area is shown on the map opposite (Zones A, B & Dark blue areas).

If you require delivery outside of our standard delivery area then please contact us for advice.

## Fixing By Duration

Installing bi-folding doors requires specialised care and attention. If you are a trade company or individual that doesn't want the hassle of installing bi-folding doors, then why not get us to supply, deliver and 'fix' your bi-fold doors into an existing and fully prepared aperture.

When 'fixing' our doors we will install the doors with due care and attention, toe and heel the panels, foam the frame, fully test the doors, and leave the doors in a perfect working condition.

Our fixing service is available within areas A + B on the map (See map).

Please note that our 'fixing' service is only available for our bi-folding doors and is by no means a full installation service. This service does not include (but not limited to) mastic, sealing outside, plastering, rendering, making water tight, removing existing doors or preparing the hole.

## Survey By Duration

We will come out to site and survey the prepared aperture, take responsibility for the manufacturing sizes and the fixing of the doors within the hole. We will guarantee our workmanship and the doors.

Please make sure all involved parties; builders, homeowner and other trades are aware of what work is and is not done by Duration Windows. Please contact the Bifold door area of our Sales Department for more information.

### **Main Office & Factory**

Units 4-5,                    t: 01268 681612 (15 lines)  
Charfleets Road,        f: 01268 510058  
Canvey Island,         e: sales@duration.co.uk  
Essex. SS8 0PQ         w: www.duration.co.uk

### **Grand Design Exhibition Centre**

Unit 1 Casino Parade,    t: 01268 695100  
Eastern Esplanade,  
Canvey Island,            SatNav Directions  
Essex. SS8 7FJ            Use: SS8 7DN.