



**ICENI**  
WINDOWS & DOORS

Installation Guide  
**BIFOLDING DOORS**



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1.

# Installation guide: Bi-folding door

We've created this installation guide to help you install our bi-fold doors correctly.

| Read this guide all the way through before you start

- 1.1 Check the size of the opening against the bi-fold outer frame to ensure a good fit.
- 1.2 Making sure you have all the components and tools required for the job with the check list provided.

| **It is vital to ensure that the bi-fold is fitted level, plumb, square and correctly toe & heeled.**

Failure to follow this step properly will result in incorrect operation of the doors; this will affect opening or closing of sashes and issues with the locking mechanism.



## Check List

- CAUTIONARY ADVICE
- IMPORTANT STEP



### Parts

- Doors
- Cills / end caps
- Face drain caps
- Bridge packers
- Trickle vents
- Magnets

(style dependent)




### Tools

- Appropriate fixings
- Mixed selection of frame packers
- Appropriate drill bits for drilling lintel and jamb packers
- Long spirit level
- String line
- Plastic / rubber hammer
- Glazing paddle
- Gasket sheers
- Foam gun
- Silicone & gun

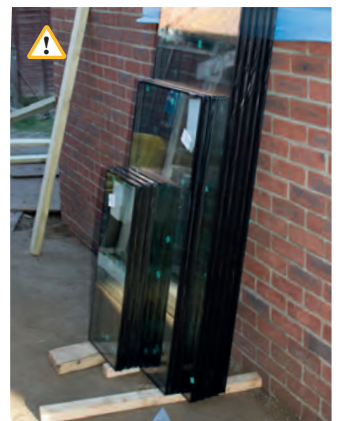


# Survey and installation


 Installation must comply with all elements of *BS8213-4 Code of Practice* for the survey and installation of windows and external door-sets.

## Preparation

- 2.1 There should be a solid structure to fix the **frame jambs** to, and there must be a **lintel** above the **frame**
- 2.2 No load is to be transferred to any part of **the frame**
- 2.3 Prepare the aperture by making sure it is clean – remove any old silicone & brush down the threshold
- 2.4 Measure the opening & check it fits with all measurements on your paperwork.
- 2.5 Check the aperture's height, width & diagonals to ensure the opening is equal on all sides and is square.
- 2.4 Clean threshold and bottom from dust and debris.
- 2.7 Use a **spirit level** and a **string line** to assess the level of the **threshold** you are working from.



### Iceni tip

-  Store glass away from high traffic and working areas and keep off the floor to prevent breaks and damage.



3.

# Threshold and cill

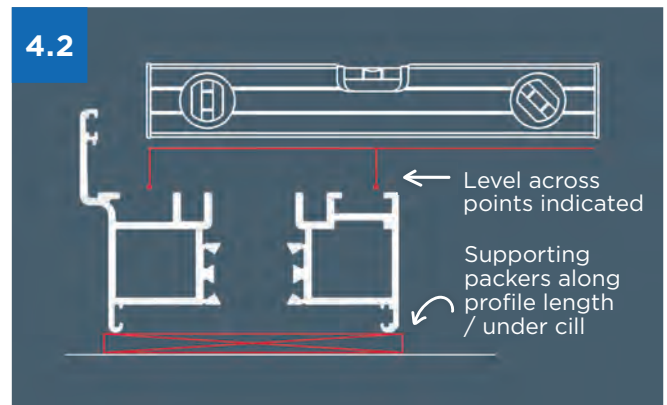


- 3.1 Use a **spirit level** and a **string line** to assess the level of the **threshold** you are working from.
- 3.2 Fill the end of the **cill** with **silicone**
- 3.3 Add **cill end cap**.
- 3.4 Temporarily place the required **packers** on the **threshold** & dry fit the **cill**. This will help to assess the finished level of the cill.
- 3.5 Once level, double check that the **door** will still have enough clearance on height when it is installed.
- 3.6 Add a **cement** bed beneath the **cill**.
- 3.7 Install the **cill** in place and tap down onto the **packers** gently using a **plastic mallet**.
- 3.8 Apply **silicone** along **cill** channel against brickwork and along back edge.
- 3.9 Apply **silicone** to bottom & push against **frame**.
- 3.10 Remove excess silicone.





# Fitting the doors

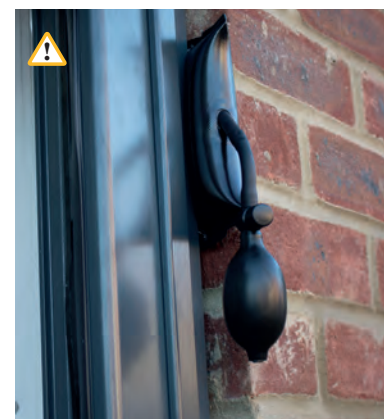


- 4.1 Stand **doors** in the aperture.
- 4.2 Keeping all **doors** closed & locked, ensure the **door** is level & true across all **jamb**s & **head**.
- 4.3 **Foam** corners of **door** & **head**. Once the **foam** goes off, pre-drill **frame**.
- 4.4 Fix **frame** to wall along **jamb**s.
- 4.5 Fix the **head** at every intersection of **sashes**.
- 4.6 Close **doors** and install **trickle vents**.



## Iceni tips

- ⚠ | We have attached **strap handles** to help when moving **frames** around site and into position.
- ⚠ | Use **WinBags** to help hold frames in place. (not supplied)



# Glazing



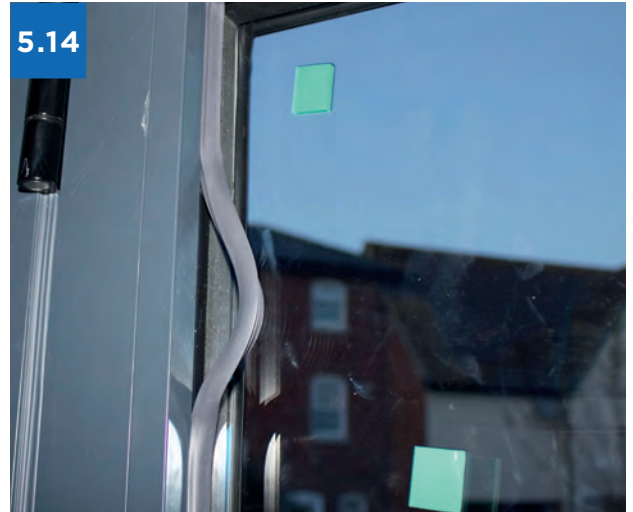
- 5.1 Close all **doors** & fully engage the **locks**.
- 5.2 Install **bridge packers** where the toe & heel stickers are located in all glass apertures 50mm from the corners
- 5.3 Ensure glazing packers are fitted to support both panes of glass to avoid sealed units breaking down.
- 5.4 Starting with the **door** next to the hinge jamb, remove the 4 glazing beads.
- 5.5 Place one **1mm packer** on top of the lower **bridge packers**.
- 5.6 Clean & align the gaskets.
- 5.7 Install the **glass** on to the packers, taking care not to pinch the gasket on the outside.
- 5.8 Using a **glazing shovel** insert more packers to the upper bridge packers, keeping the glass square in the aperture.
- 5.9 Open the **door** to ensure there is no resistance or catching.
- 5.10 Add a small blob of **silicone** to each packer to secure in place.



5.13



5.14



### Wedge gasket

- 5.11 Insert the **bottom bead**. Use a **glazing paddle** to gently lever the bead away from the glass and into the correct position. Next, fit the top and side **beads**.
- 5.12 Insert **wedge gasket**.
- 5.13 Place the **gasket** between the **glass** and **bead** with the concave side against the glass.
- 5.14 Leave extra to allow for shrinking. Tidy **gasket**.

### Adding magnets

The magnets are used where **traffic** or **slave doors** fold back onto an adjacent panel. They are designed to prevent doors and handles colliding.

- 5.15 The **magnet** should be positioned 30mm from the top.
- 5.16 Positioning left/right of **magnet** depends on style of door **handle** - this will have to be measured to suit handle.
- 5.17 The **screw** goes through the centre of the magnet.
- 5.18 Slide cover over the **magnet** and **screw**.
- 5.19 Clean **aluminium** and **glass**.
- 5.20 **Seal** and trim accordingly.

5.17



5.18





# Kit frame assembly instructions

6.1 Unwrap long **frame parcels** ensuring to keep safe the sundries bag containing screws, cleat blocks etc.

6.2 Lock all four sides of **frame** together using chevrons, cleat blocks and **allen key** provided ensuring to put the relevant sides into their correct positions. Attach head add on if required.

**i** Insert **chevrons** in correct chevron chamber

**ii** Add silicone to **join** and slide together. Clean excess silicone.

**iii** Insert **cleat box**. Tighten evenly until square.

6.3 Attach **sashes** to **hinge** side using the **grub screws** provided.

6.4 Place **bogie wheels** into **tracks**, ensuring that the tracks are positioned into the grooves in the base of the frame.

6.5 Connect **handle** to **master sash**.

6.6 Make sure that the **unglazed sashes** open and close correctly and that the gaps at the top and bottom of the sashes are equal.

6.7 Check that the **lock hooks** engage into the relevant **keeps** on the frame. Once satisfied they are in the correct position, **lock** into place with the **locking screws** into the pre-drilled holes.



If the **lock** on the **master sash** does not engage within the keep then the **sashes** will need re-aligning. The **sashes** are set square in production.







## Installation Guides

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