

Installation Instructions

Revision 2.0

Fitting Timber & PVC Frames:

- ☐ Masonry Construction with Block Return (Check Reveal)
- ☐ Masonry Construction with Structural Cavity Closer
- ☐ Timber Frame Construction (Check Reveal)
- ☐ Through Frame Fixing - New Build (Cavity Wall or Single Skin Brickwork)
- ☐ Masonry Construction with Structural Cavity Closer (Sidelight Unit)



IG•DOORS[™]
making an entrance

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Introduction

Welcome to the IG Doors Installation Instructions for PVC and timber frames. This booklet contains all the information you need from taking delivery of your door products to fixing, adjusting and maintaining the doors and components. All doors must be installed in strict accordance with IG Doors official instructions.



All doors **must** be installed in strict accordance with **IG Doors' official installation instructions** provided.

Ordering

- ☐ Call off information **must be made in writing** by email to **orders@igdoors.co.uk**, using site call off forms (available on request. Call-offs or orders cannot be accepted verbally.
- ☐ Door handings are always viewed from the **outside** as described in the IG Doors brochure.
- ☐ All call-offs will supersede any bulk orders in the system.
- ☐ If a door only or frame only unit is being ordered, the label found on the top edge of the door slab will be required to ensure the specification is a match to the original.
- ☐ **Replacement standard stock items** - We aim to dispatch all orders on a next day delivery service, the day after the order is placed.
- ☐ **Replacement non-standard items** - IG Doors Customer Care team will contact site to confirm delivery period.

Delivery

- ☐ When receiving deliveries on site, any discrepancies with deliveries or any damaged or missing items must be identified and reported (in writing) to IG Doors Customer Care team **within 5 days of delivery date**. Failure to do so may result in your claim being rejected.
- ☐ With all deliveries of pre-hung doorsets there will be an ironmongery pack attached to the head of the frame. **Please check that all items have been received before signing the delivery sheet.**
- ☐ Offloading of the delivery vehicle on site is the responsibility of the customer.
- ☐ All doorsets will be in **excess of 25kg in weight**. It is the responsibility of site personnel to carry out risk assessments on the handling and movement of the materials. Refer to product weight information sheet within this booklet on page 5, and separate laminated version issued at site induction.

Customer Care Team

Tel: **01495 368 200** - Option 1 twice

Email: **customer.care@igdoors.co.uk**

Deliveries & Storage

It is important your IG Door doorsets are handled and stored correctly before installation.

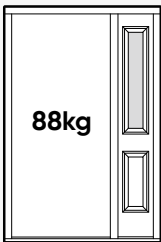
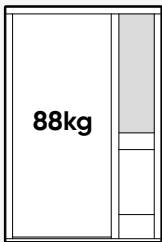
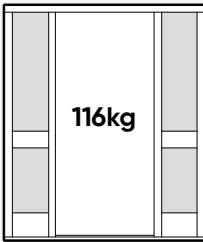
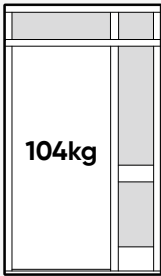
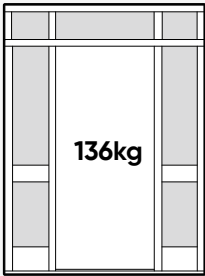
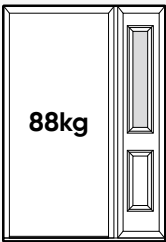
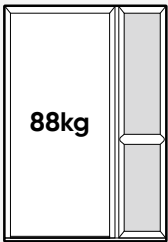
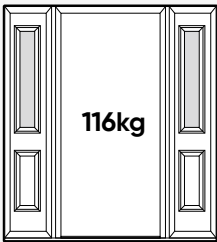
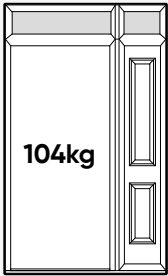
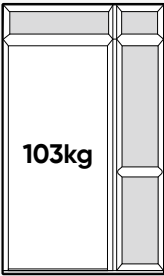
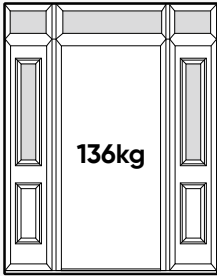
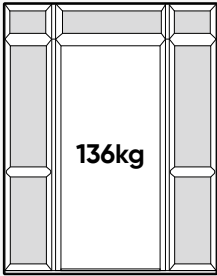
Delivery & offloading

- ☐ All doors to be offloaded with FLT.
 - ☐ Sidelight units are delivered on a stillage – units need to be removed from stillage and stillage returned to driver.
 - ☐ Deliveries need to be offloaded promptly as drivers are unable to wait.
 - ☐ You will be charged for doors that are not offloaded on delivery for anything other than manufacturing defects.
 - ☐ Doors to be checked when delivered, IG Doors have a 5 day reporting policy where any damages discrepancies and missing items all have to be **reported within 5 days of delivery**.
-

Storing doors

- ☐ **DOORS MUST** be stored inside immediately and in the upright position.
 - ☐ **DOORS MUST** be stored in a well ventilated building/ Container and protected at all times from moisture and extremes of temperature.
 - ☐ **DO NOT** store near gas heaters, in unventilated containers, on top of containers or where wet trades are being carried out.
 - ☐ **ALWAYS ENSURE** there is adequate protection between each door to avoid surface damage or broken items eg glazing.
-

Door Weights

 60kg FT01	 72kg FT02	 88kg FT03	 88kg FT04	 116kg FT07
 116kg FT08	 104kg FT28	 104kg FT29	 136kg FT32	 136kg FT33
 60kg PV01	 72kg PV02	 88kg PV03	 88kg PV04	 116kg PV07
 116kg PV08	 104kg PV28	 103kg PV29	 136kg PV32	 136kg PV33

Important notes

- ☐ Figures shown above are for door & frame units/sets, and include the actual door and glazing being fitted in the frame.
- ☐ A full site specific risk assessment is recommended before moving any products, all door and/or frame products are greater than 25kg in weight, and some variation in weight may occur with specification changes, for example a change in frame material.
- ☐ The above weights are indicative of the heaviest possibility door/frame combination at the time of publishing; this may vary slightly due to variation in raw material weights etc.
- ☐ FT = Timber Frame type, PV = PVC frames type - this information will be on your quote and order acknowledgement.

PVC Frame Fitting

Masonry Construction with Block Return (Check Reveal)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check the size of the door in relation to the opening and set aside.
 - ❹ Check the handing of the door prior to installation.
 - ❺ Attach fixing straps and secure back to the frame using suitable fixings – **see Detail A**.
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps fitted to fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **see Detail D**.
 - ❷ Centre the door in the opening.
 - ☐ If there is no check reveal in the build detail the door unit must be positioned to overlap the cavity by 50mm as required in **Approved Document L – 2023 update**
 - ❸ Level under the sill using packers if necessary – **see Detail D**.
 - ❹ Using a long level square up both the hinge side jamb and the lock side jamb (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom positions using the recommended fixing kit (**see Detail E**). Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❻ Fix through the PVC frame into the cavity closer using 100-120mm light duty concrete fixings (**see Detail E**). A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❼ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❽ Adjust the hinges as necessary to maintain an even gap, refer to manufacturers adjustment guide for instructions.
 - ❾ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❿ Finish the installation by sealing between the door frame and supporting structure with expanding foam and capped both sides with silicone sealant, alternatively refer to customer standard finishing details.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.



Strap to be fixed back to door frame using suitable fixings (not provided).

Fixing strap can be snapped back at break point or knocked around the blockwork to avoid overhanging.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

Fix into blockwork using aircrete fixings, 65mm long. Fixing must penetrate the blockwork by a minimum of 50mm.

Fix through the door frame into the timber cavity closer (or similar) using 100-120mm light duty concrete screws.

Cavity.

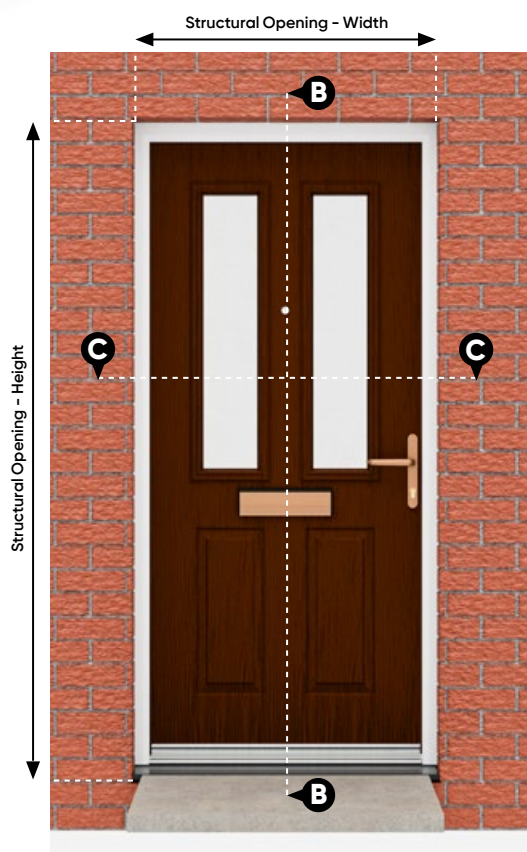
2 part sill nose to be cut down to fit in between the external brickwork.

Fix through the door frame into the returned block using 100-120mm concrete screws. Fixing hole must be pre-drilled.

Frame to be packed out under fixing strap (or as near as possible) to keep the frame square and secure.

Fixing strap.

Fix into blockwork using aircrete fixings, 65mm long. Fixing must penetrate the blockwork by a minimum of 50mm.



PVC Frame Fitting

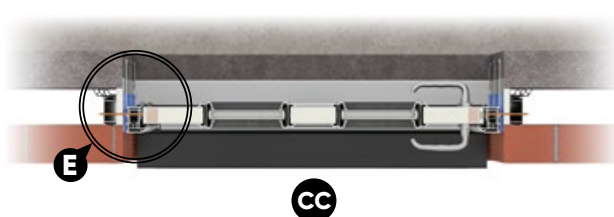
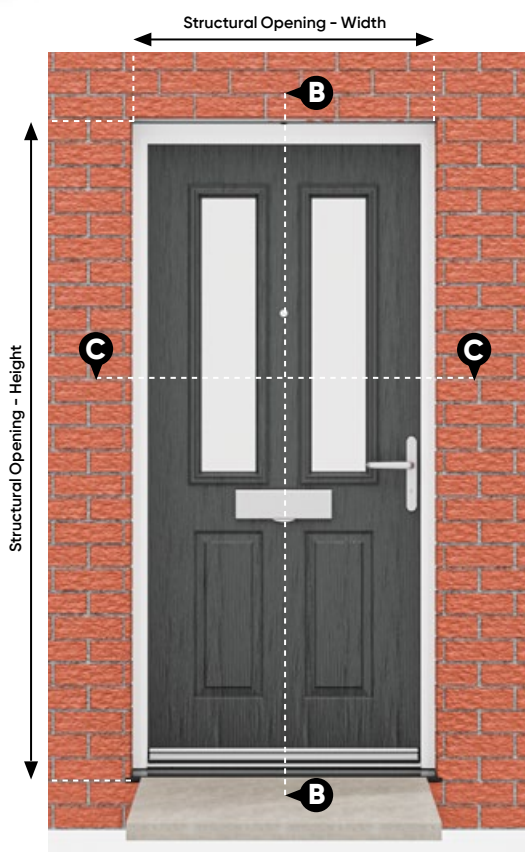
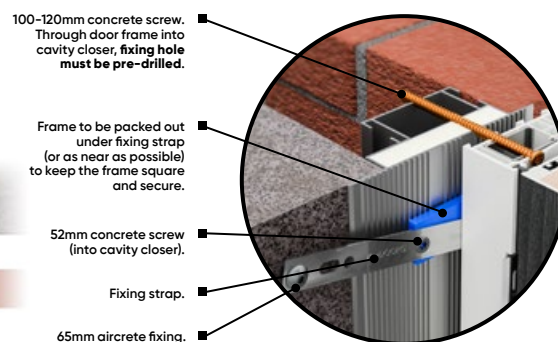
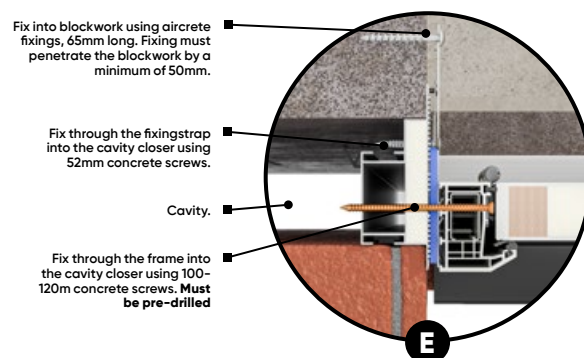
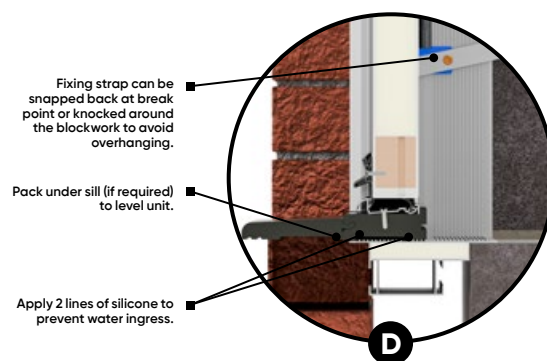
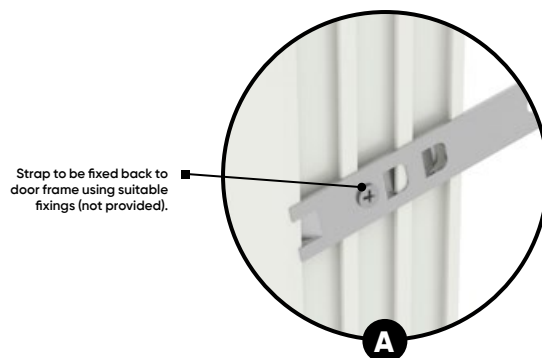
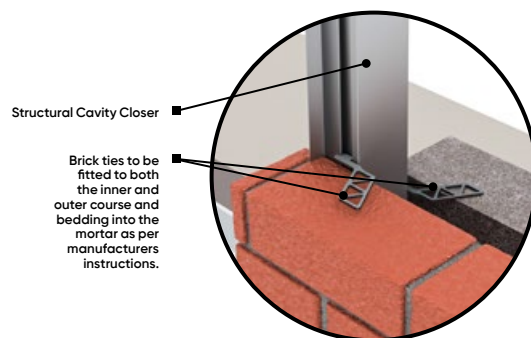
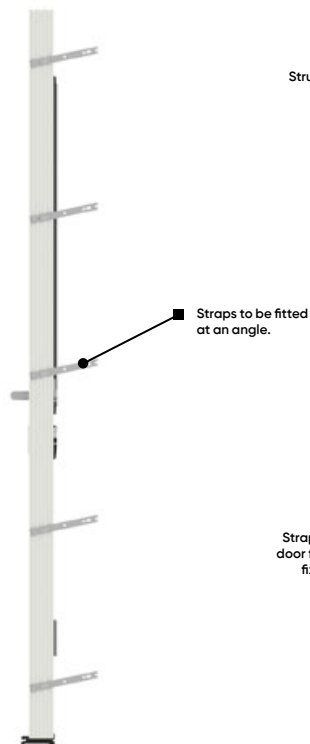
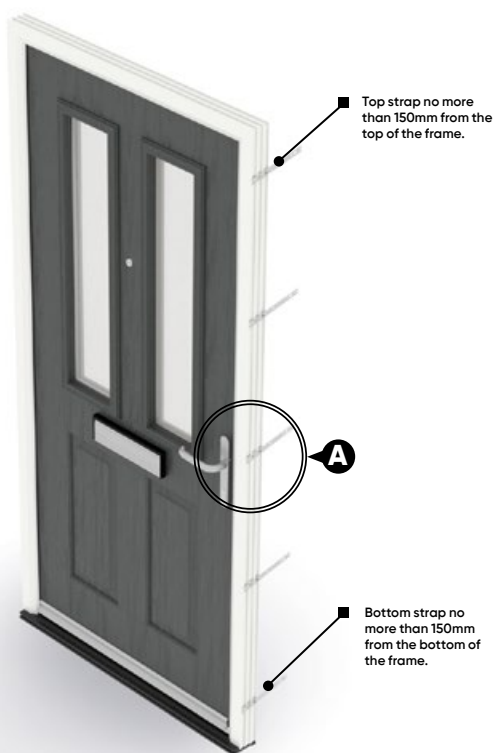
Masonry Construction with Structural Cavity Closer

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ☐ The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - ☐ The cavity closer must not be nailed into the supporting structure.
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
 - ❻ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ For current Part L building regulations, position the door unit set back 50mm to overlap the cavity – **See Detail D.**
 - ☐ Door unit must be set back by 50mm as required in **Approved Document L: Conservation of Fuel and Power (2021 edition incorporating 2023 amendments).**
 - ☐ If unit does not need to be installed to the new building regulations, position the frame to sit 30mm over the cavity (approx 132.5mm from the front of the brickwork to the back of the frame)
 - ❹ Level under the sill using packers if required – **See Detail D.**
 - ❺ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❻ Fix the hinge side jamb first at the top and bottom straps using the recommended fixing kit – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❼ Fix through the PVC frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❽ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❾ Adjust the hinges as necessary to maintain an even gap between the door and the frame, refer to manufacturers adjustment guide for instructions.
 - ❿ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ⓫ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material, if a structural cavity closer has not been used then the fixing **must** be angled into the brickwork, this must be pre-drilled.



PVC Frame Fitting

Timber Frame Construction (Check Reveal)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the fire stop (or cavity closer) is securely fixed back to the timber frame construction. The timber batten should not move, if the batten is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
 - ❻ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- When fitting straps to timber frames the fixing lugs may need to be flattened to fit to the timber frame.
 - If there is no check reveal in the build detail the door unit **must be positioned to overlap the cavity by 50mm** as required in Approved Document L (2023 update).
 - This guide is to be used for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail for full build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

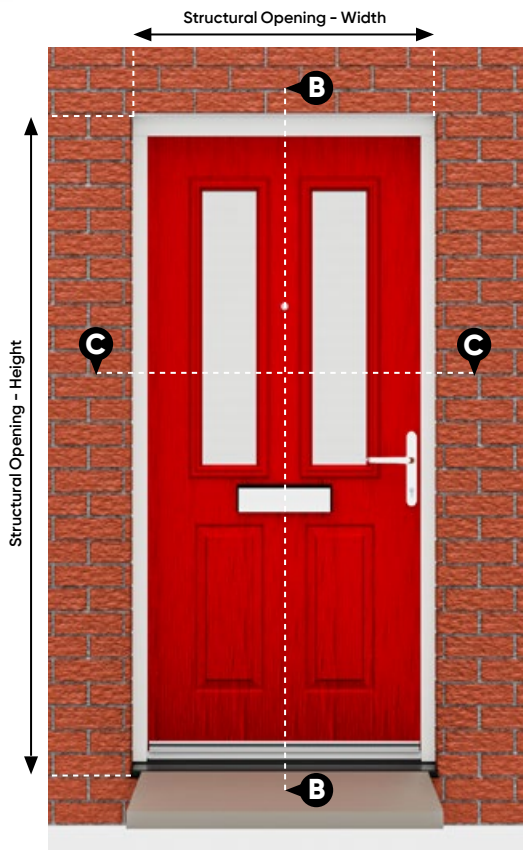
Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ Level under the sill using packers if necessary – **See Detail D.**
 - ❹ Using a long level square up both the hinge side jamb and the lock side jamb (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom fixing strap using 5x50mm wood screws – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❻ Fix through the PVC frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❼ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❽ Adjust the hinges as necessary to maintain an even gap, refer to manufacturers adjustment guide for instructions.
 - ❾ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❿ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material.



Timber batten (fire stop / cavity closer) must be securely fixed back to the timber frame construction to allow for solid fixing through the frame.

Strap to be fixed back to door frame using suitable fixings (not provided).



Fixing strap can be snapped at break point or knocked around the timber stud to avoid overhanging.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

Fix into timber frame using 5x50mm wood screws.

Second fixing into timber frame using 5x50mm wood screws.

Fix through the door frame into the timber cavity closer (or similar) using 102mm light duty concrete screws.

Cavity.

2 part sill nose to be cut down to fit in between the external brickwork.

Fix through the door frame into timber cavity closer (or similar) using 120mm concrete screws.

Fix into timber frame using 5x50mm wood screws.

Frame to be packed out under fixing strap (or as near as possible) to keep frame square and secure.

Second fixing into timber frame using 5x50mm wood screws.

PVC Frame Fitting

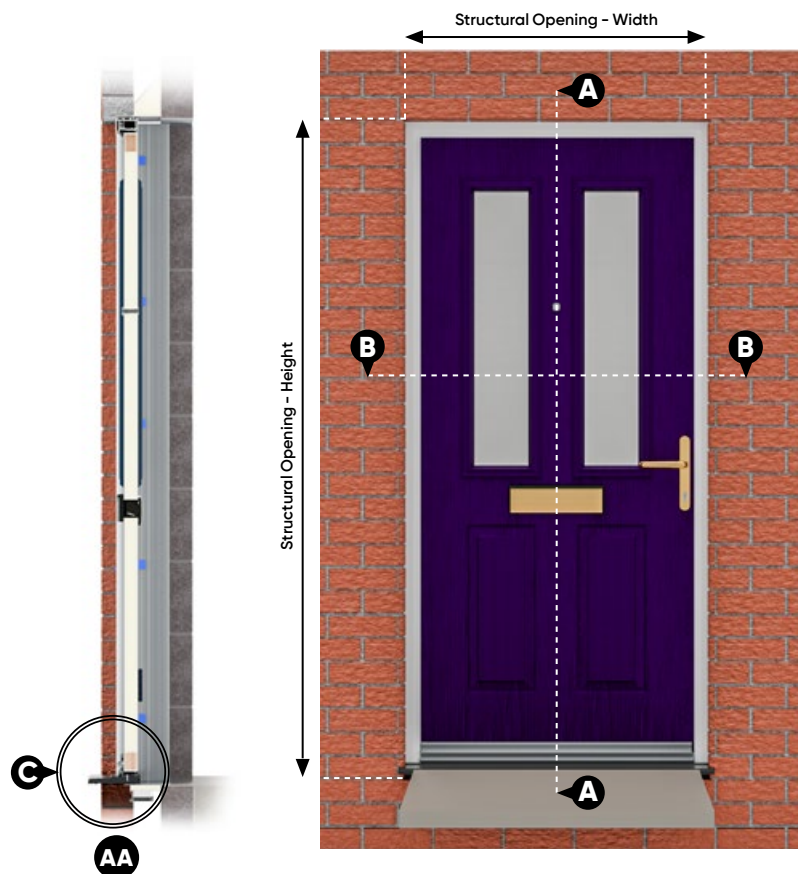
Through Frame Fixing - New Build (Cavity Wall)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ☐ The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - ☐ The cavity closer must not be nailed into the supporting structure.
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
- **Additional Notes:**
- This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.
 - **Approved Document L requires the door unit to be set back to overlap the cavity by 50mm, therefore the positioning of the unit in this detail will not comply with current building regulations. Refer to pages 8–9 for compliant detail.**
 - **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 4 - Through Frame Fixing (8894454).

Unit Installation

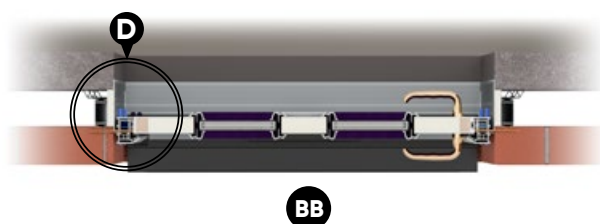
- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress - **see Detail C.**
 - ❷ Centre the door in the opening and position from the front of the brickwork as required in builders specification.
 - ❸ Level under the sill using packers if required - **see Detail C.**
 - ❹ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom of the frame using the recommended fixing kit - **see Detail D.**
 - ☐ Top and bottom fixings to be no more than 150mm from the top and bottom of the frame
 - ❻ Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs.
 - ❼ Fix the unit with remaining fixings, we recommend 5 fixings per jamb.
 - ☐ Remaining fixings to be no more than 600mm centres and must be placed to avoid clashing with the hinge or lock keeps.
 - ❽ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❾ Adjust the hinges as necessary to maintain an even gap between the door and frame, refer to manufacturers adjustment guide for instructions.
 - ❿ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ⓫ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.



Structural Cavity Closer

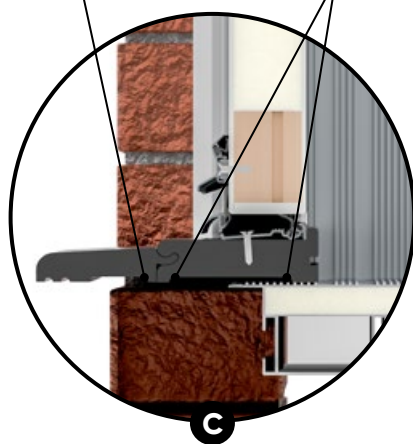


Brick ties to be fitted to both the inner and outer course and bedded into the mortar as per manufacturers instructions.



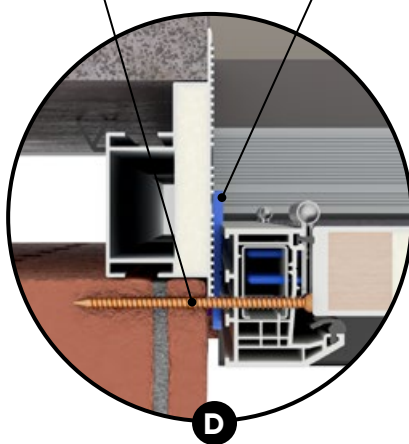
Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

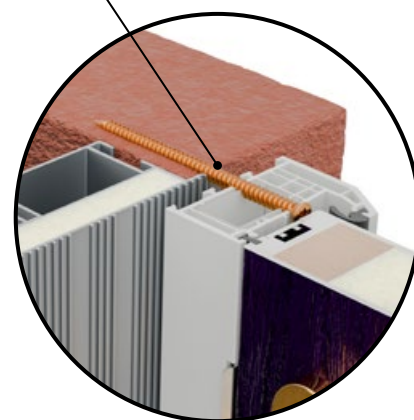


Fix through the frame using 100-120mm light duty concrete screws. Fixing holes must be predrilled (see points 5-6 opposite).

Frame to be packed as near to the fixings as possible to keep frame square and secure.



Fix through the frame using 100-120mm light duty concrete screws. Fixing holes must be predrilled (see points 5-6 opposite).



PVC Frame Fitting

Through Frame Fixing - New Build (Single Skin Brickwork*)

Pre-installation

- 1 Check the opening is plumb and square, report any issue to the site manager.
- 2 The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
- 3 Check the size of the door in relation to the opening and set aside.
- 4 Check the handing of the door prior to installation.

■ Additional Notes:

- This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.

- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 4 - Through Frame Fixing (8894454).

Unit Installation

- 1 Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress - **see Detail C.**
- 2 Centre the door in the opening and position from the front of the brickwork as required in builders specification.
- 3 Level under the sill using packers if required - **see Detail C.**
- 4 Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.

☐ **Note: Packers must not be removed.**

- 5 Fix the hinge side jamb first at the top and bottom of the frame using the recommended fixing kit - **see Detail D.**
- ☐ Top and bottom fixings to be no more than 150mm from the top and bottom of the frame
- 6 Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs.
- 7 Fix the unit with remaining fixings, we recommend 5 fixings per jamb.

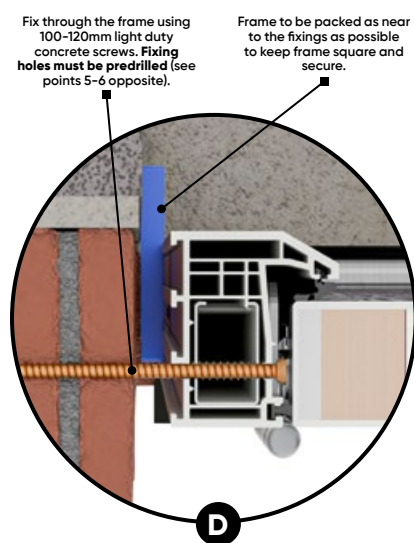
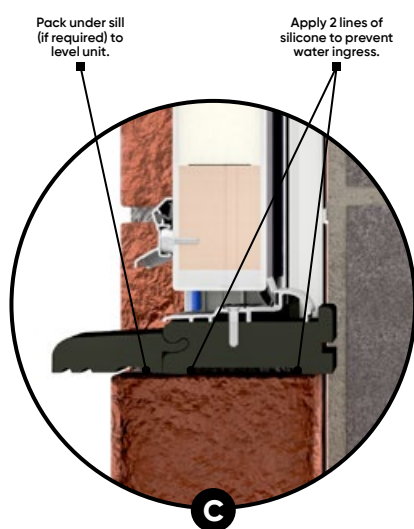
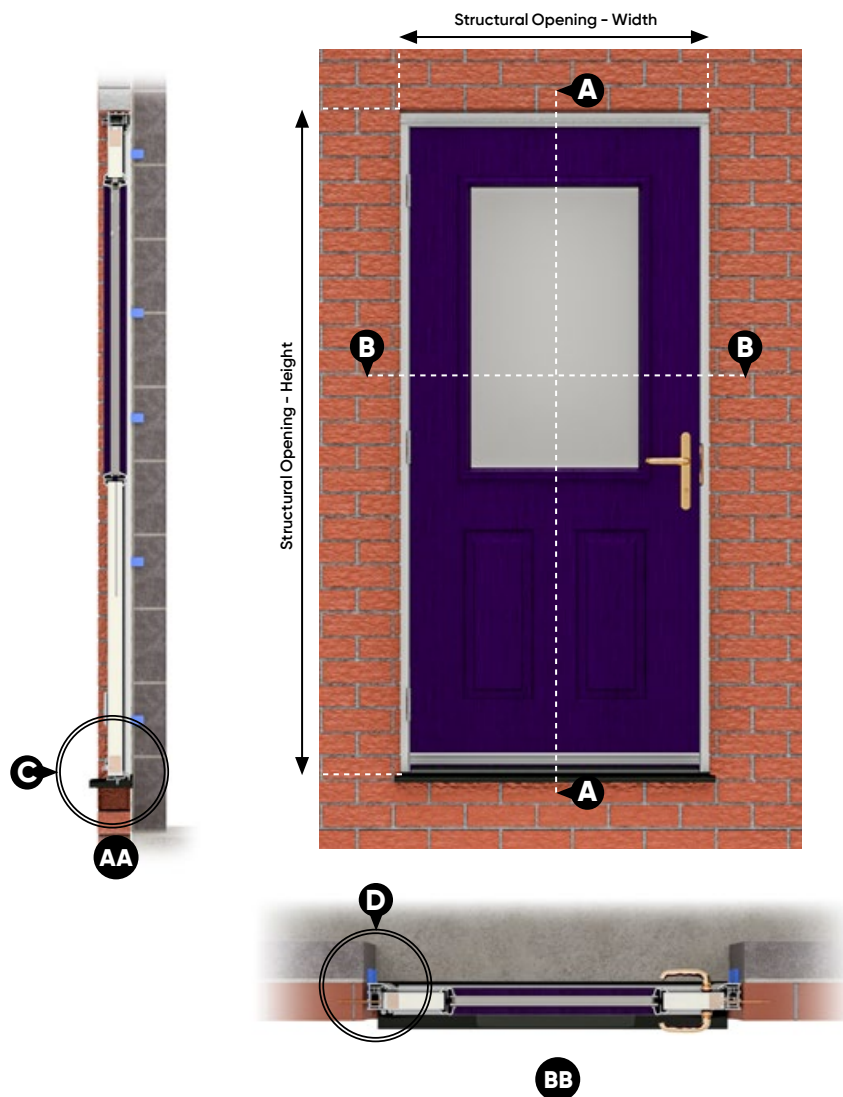
☐ Remaining fixings to be no more than 600mm centres and must be placed to avoid clashing with the hinge or lock keeps.

- 8 Once the unit has been securely fixed, check the squareness and adjust accordingly.
- 9 Adjust the hinges as necessary to maintain an even gap between the door and frame, refer to manufacturers adjustment guide for instructions.
- 10 Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
- 11 Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.

■ Additional Notes:

- Additional fixings can be used to fix through the frame if required.
- If required a fixing through the sill can be added.

*Typically garage personnel units.



PVC Frame Fitting

Masonry Construction with Structural Cavity Closer (Sidelight Unit)

Pre-installation

- ❶ Check opening is plumb & square, report any issue to site manager.
 - The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❷ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - The cavity closer must not be nailed into the supporting structure.
 - ❸ Check the size of the door in relation to the opening and set aside.
 - ❹ Check the handing of the door prior to installation.
 - ❺ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ❻ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - Remaining straps are to be fitted at no more than 600mm centres.
 - 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
 - ❼ De-glaze the sidelight and mark each bead section so it can be re-fitted to its original location. Set aside in a safe area.
- **Additional Notes:**
- When fitting straps to timber frames the fixing lugs may need to be flattened to fit to the timber frame.
 - Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 2 – Sidelight / Fanlight Kit (8894452)

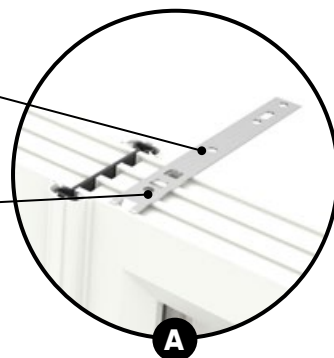
Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ For current Part L building regulations, position the door unit set back 50mm to overlap the cavity – **See Detail D.**
 - Door unit must be set back by 50mm as required in **Approved Document L: Conservation of Fuel and Power (2021 edition incorporating 2023 amendments).**
 - If unit does not need to be installed to the new building regulations, position the frame to sit 30mm over the cavity (approx 132.5mm from the front of the brickwork to the back of the frame)
 - ❹ Level under the sill using packers if required – **See Detail D.**
 - ❺ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - Note: Packers must not be removed.**
 - ❻ Fix the hinge side jamb first at the top and bottom straps using the recommended fixing kit – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❼ Fix the additional straps at the head of the unit using 4.5x38 self-tapping screws. Fix through the pre-drilled holes in the fixing strap into the steel lintel.
 - ❽ Fix through the PVC frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❾ Re-fit the sidelight glass and beading
 - ❿ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ⓫ Adjust the hinges as necessary to maintain an even gap between the door and frame, refer to manufacturers adjustment guide.
 - ⓬ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ⓭ Finish installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required. If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material, if a structural cavity closer has not been used then the fixing **must** be angled into the brickwork, this must be pre-drilled.



Additional strap fitted no more than 50mm from the sidelight frame joint. (For double sidelights fit a strap to each joint).

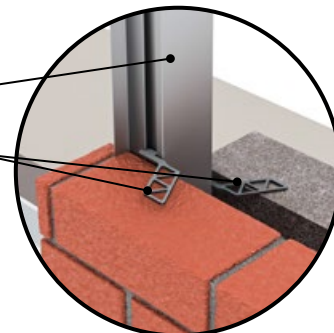
Strap to be fixed to the lintel using 4x32mm self tapping screws (1 per strap).



Straps to be fitted at an angle.

Structural Cavity Closer

Brick ties to be fitted to both the inner and outer course and bedding into the mortar as per manufacturers instructions.



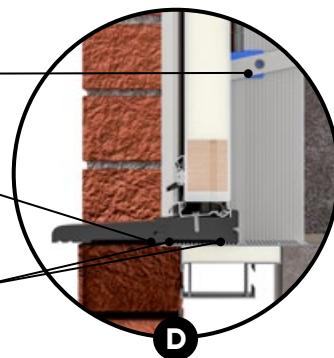
Structural Opening - Width



Fixing strap can be snapped at break point to avoid overhanging the blockwork.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

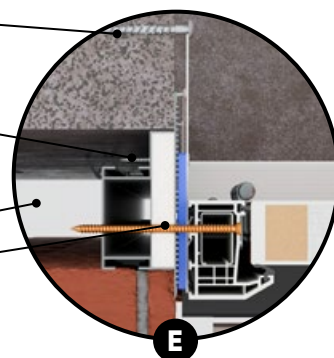


Fix into blockwork using aircrete fixings, 65mm long. Fixing must penetrate the blockwork by a minimum of 50mm.

Fix through the fixing strap into the cavity closer using 52mm concrete screws.

Cavity.

Fix through the frame into the cavity closer using 100-120mm concrete screws. **Must be pre-drilled.**



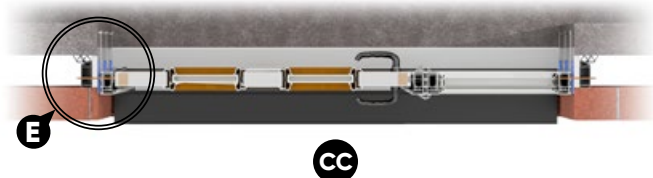
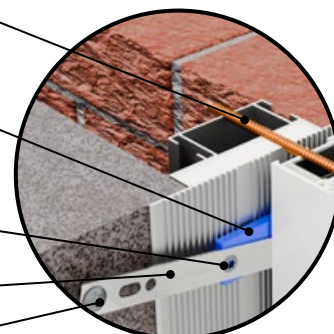
100-120mm concrete screw. Through door frame into cavity closer, **fixing hole must be pre-drilled.**

Frame to be packed out under fixing strap (or as near as possible) to keep the frame square and secure.

52mm concrete screw (into cavity closer).

Fixing strap.

65mm aircrete fixing,



Timber Frame Fitting

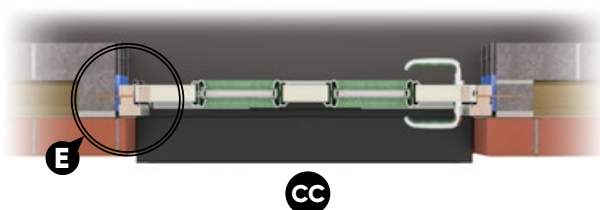
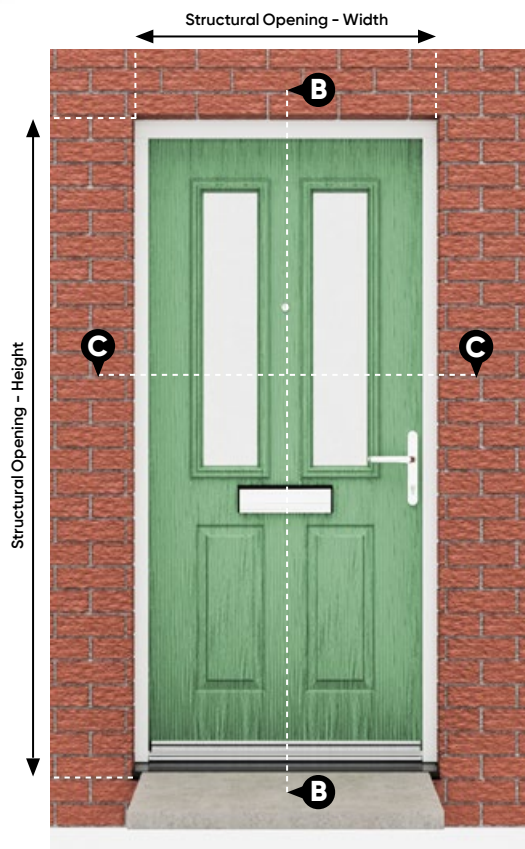
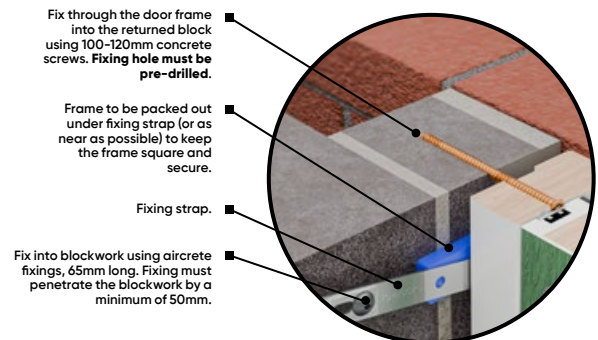
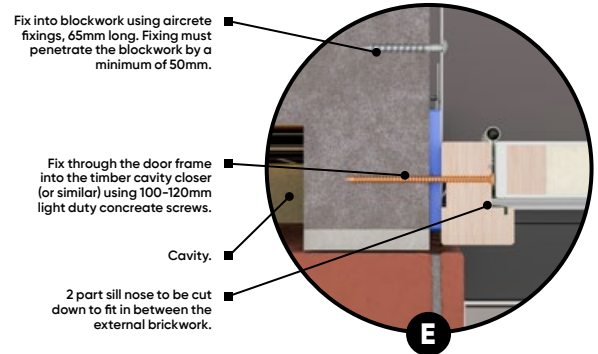
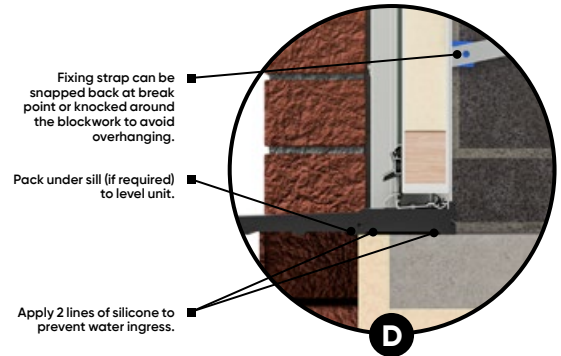
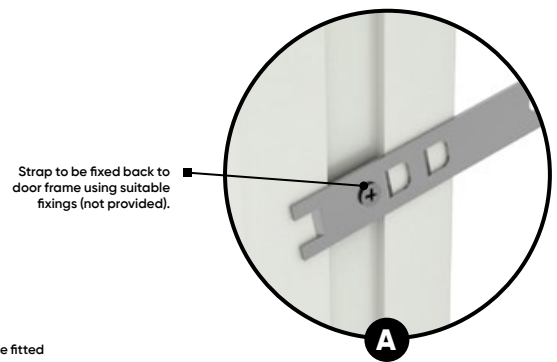
Masonry Construction with Block Return (Check Reveal)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check the size of the door in relation to the opening and set aside.
 - ❹ Check the handing of the door prior to installation.
 - ❺ Attach fixing straps and secure back to the frame using suitable fixings – **see Detail A**.
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
- ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps fitted to fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **see Detail D**.
 - ❷ Centre the door in the opening.
 - ☐ If there is no check reveal in the build detail the door unit must be positioned to overlap the cavity by 50mm as required in **Approved Document L – 2023 update**
 - ❸ Level under the sill using packers if necessary – **see Detail D**.
 - ❹ Using a long level square up both the hinge side jamb and the lock side jamb (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom positions using the recommended fixing kit (**see Detail E**). Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❻ Fix through the timber frame into the cavity closer using 100-120mm light duty concrete fixings (**see Detail E**). A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❼ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❽ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❾ Finish the installation by sealing between the door frame and supporting structure with expanding foam and capped both sides with silicone sealant, alternatively refer to customer standard finishing details.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.



Timber Frame Fitting

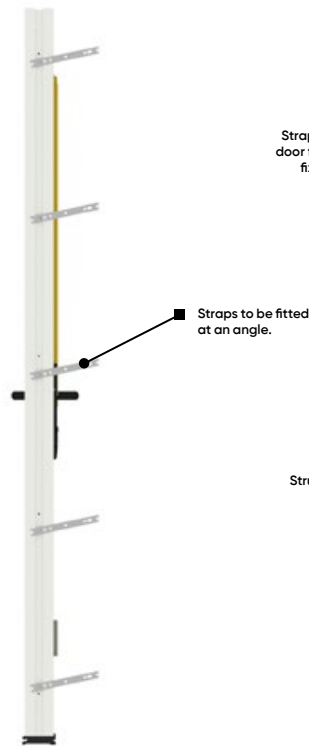
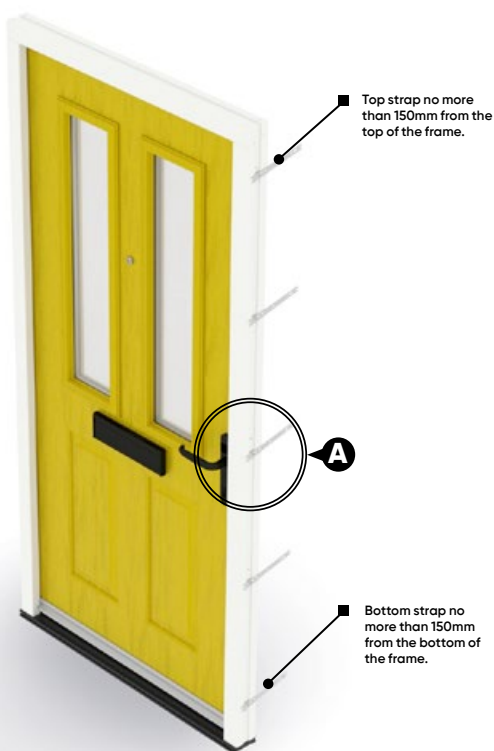
Masonry Construction with Structural Cavity Closer

Pre-installation

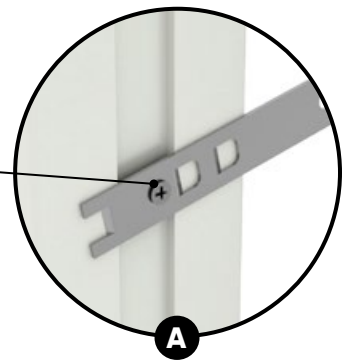
- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ☐ The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - ☐ The cavity closer must not be nailed into the supporting structure.
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
 - ❻ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ For current Part L building regulations, position the door unit set back 50mm to overlap the cavity – **See Detail E.**
 - ☐ Door unit must be set back by 50mm as required in **Approved Document L: Conservation of Fuel and Power (2021 edition incorporating 2023 amendments).**
 - ☐ If unit does not need to be installed to the new building regulations, position the frame to sit 30mm over the cavity (approx 132.5mm from the front of the brickwork to the back of the frame)
 - ❹ Level under the sill using packers if required – **See Detail D.**
 - ❺ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❻ Fix the hinge side jamb first at the top and bottom straps using the recommended fixing kit – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❼ Fix through the timber frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❽ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❾ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❿ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material, if a structural cavity closer has not been used then the fixing **must** be angled into the brickwork, this must be pre-drilled.

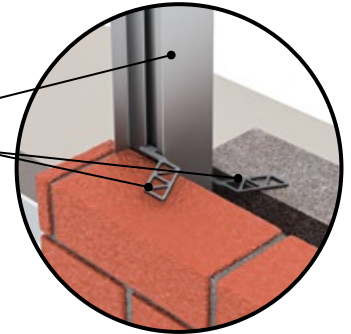


Strap to be fixed back to door frame using suitable fixings (not provided).



Structural Cavity Closer

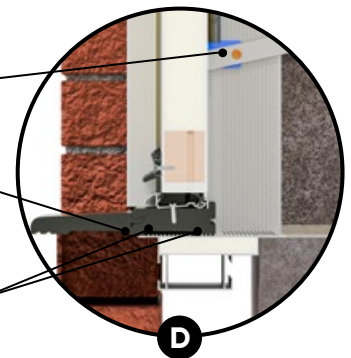
Brick ties to be fitted to both the inner and outer course and bedding into the mortar as per manufacturers instructions.



Fixing strap can be snapped back at break point or knocked around the blockwork to avoid overhanging.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

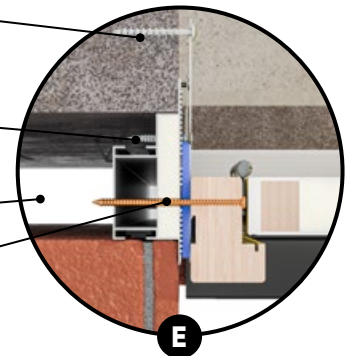


Fix into blockwork using aircrete fixings, 65mm long. Fixing must penetrate the blockwork by a minimum of 50mm.

Fix through the fixing strap into the cavity closer using 52mm concrete screws.

Cavity.

Fix through the frame into the cavity closer using 100-120mm concrete screws. **Must be pre-drilled.**



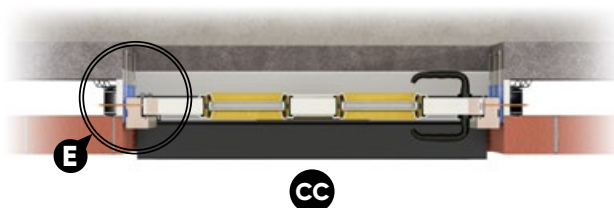
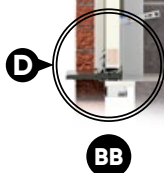
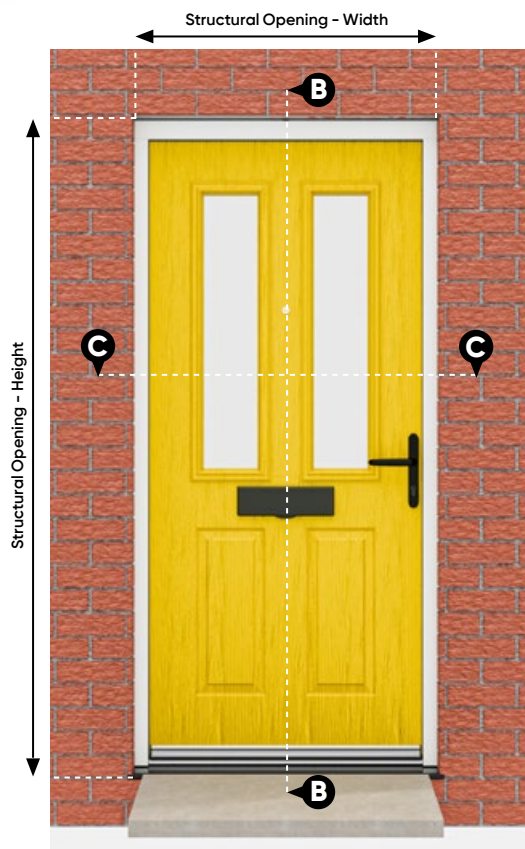
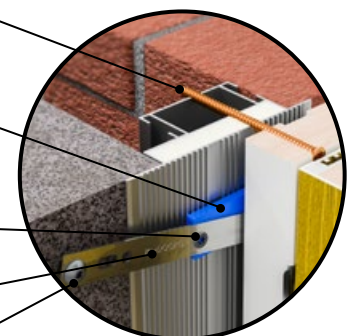
100-120mm concrete screw. Through door frame into cavity closer, **fixing hole must be pre-drilled.**

Frame to be packed out under fixing strap (or as near as possible) to keep the frame square and secure.

52mm concrete screw (into cavity closer).

Fixing strap.

65mm aircrete fixing.



Timber Frame Fitting

Timber Frame Construction (Check Reveal)

Pre-installation

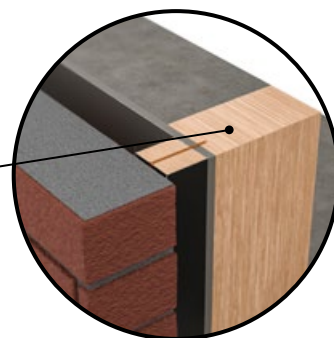
- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the fire stop (or cavity closer) is securely fixed back to the timber frame construction. The timber batten should not move, if the batten is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
 - ❻ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- When fitting straps to timber frames the fixing lugs may need to be flattened to fit to the timber frame.
 - If there is no check reveal in the build detail the door unit **must be positioned to overlap the cavity by 50mm** as required in Approved Document L (2023 update).
 - This guide is to be used for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail for full build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

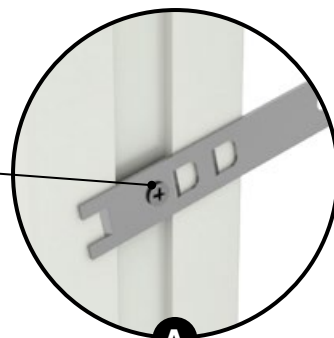
- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ Level under the sill using packers if necessary – **See Detail D.**
 - ❹ Using a long level square up both the hinge side jamb and the lock side jamb (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom fixing strap using 5x50mm wood screws – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❻ Fix through the timber frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❼ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❽ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❾ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material.



Timber batten (fire stop / cavity closer) must be securely fixed back to the timber frame construction to allow for solid fixing through the frame.



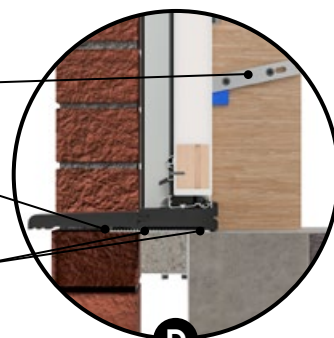
Strap to be fixed back to door frame using suitable fixings (not provided).



Fixing strap can be snapped at break point or knocked around the timber stud to avoid overhanging.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.



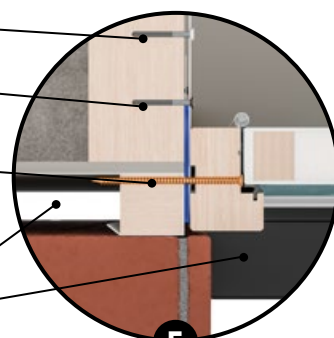
Fix into timber frame using 5x50mm wood screws.

Second fixing into timber frame using 5x50mm wood screws.

Fix through the door frame into the timber cavity closer (or similar) using 120mm light duty concrete screws.

Cavity.

2 part sill nose to be cut down to fit in between the external brickwork.

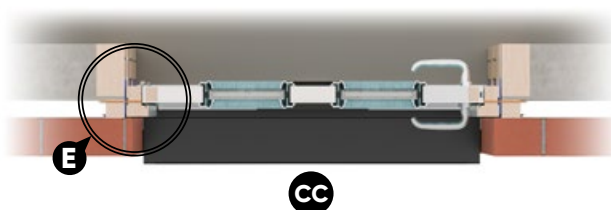
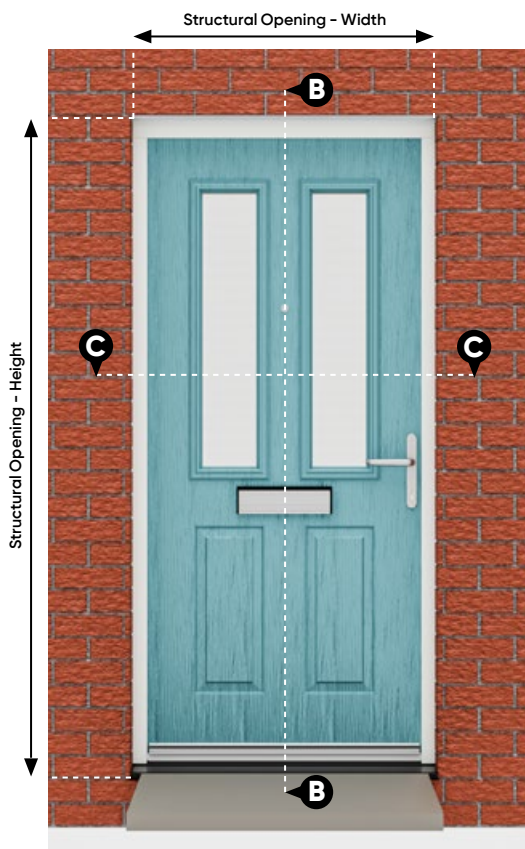
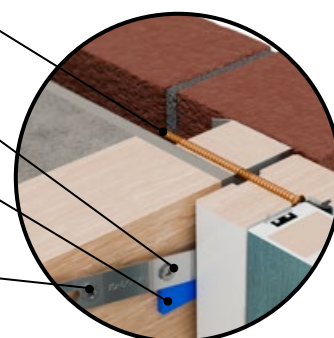


Fix through the door frame into timber cavity closer (or similar) using 120mm concrete screws.

Fix into timber frame using 5x50mm wood screws.

Frame to be packed out under fixing strap (or as near as possible) to keep frame square and secure.

Second fixing into timber frame using 5x50mm wood screws.



Timber Frame Fitting

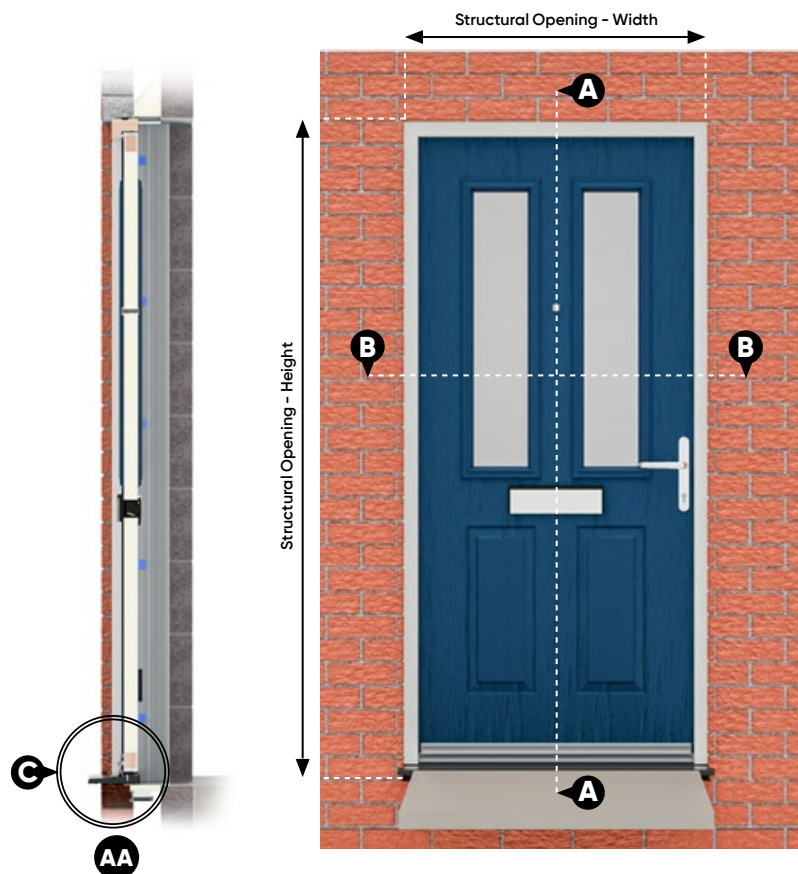
Through Frame Fixing - New Build (Cavity Wall)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ☐ The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - ☐ The cavity closer must not be nailed into the supporting structure.
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
- **Additional Notes:**
- This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.
 - **Approved Document L requires the door unit to be set back to overlap the cavity by 50mm, therefore the positioning of the unit in this detail will not comply with current building regulations. Refer to pages 20-21 for compliant detail.**
 - **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 4 - Through Frame Fixing (8894454).

Unit Installation

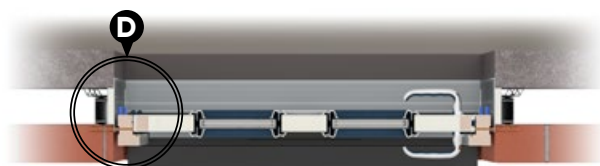
- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress - **see Detail C.**
 - ❷ Centre the door in the opening and position from the front of the brickwork as required in builders specification.
 - ❸ Level under the sill using packers if required - **see Detail C.**
 - ❹ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❺ Fix the hinge side jamb first at the top and bottom of the frame using the recommended fixing kit - **see Detail D.**
 - ☐ Top and bottom fixings to be no more than 150mm from the top and bottom of the frame
 - ❻ Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs.
 - ❼ Fix the unit with the remaining fixings, we recommend 5 fixings per jamb.
 - ☐ Remaining fixings to be no more than 600mm centres and must be placed to avoid clashing with the hinge or lock keeps.
 - ❽ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❾ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❿ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.



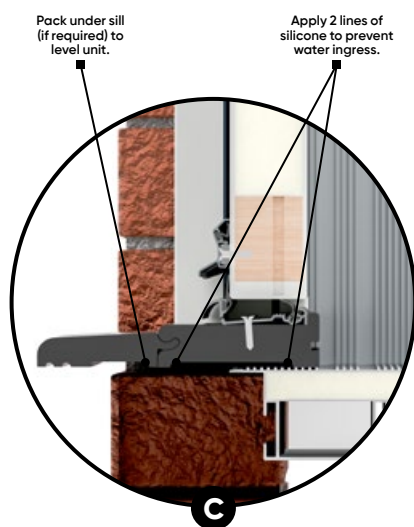
Structural Cavity Closer



Brick ties to be fitted to both the inner and outer course and bedded into the mortar as per manufacturers instructions.



BB

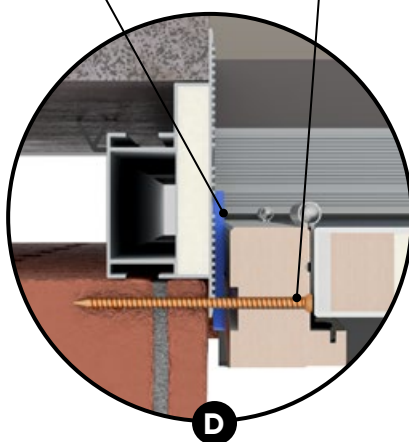


Pack under sill (if required) to level unit.

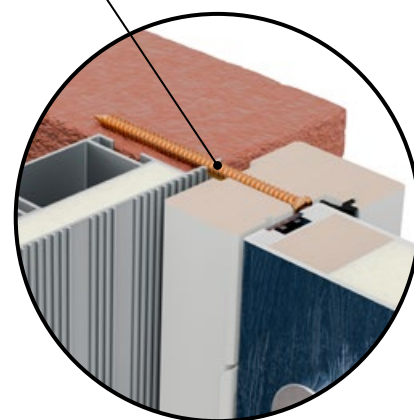
Apply 2 lines of silicone to prevent water ingress.

Fix through the frame using 100-120mm light duty concrete screws. **Fixing holes must be predrilled** (see points 5-6 opposite).

Frame to be packed as near to the fixings as possible to keep frame square and secure.



Fix through the frame using 100-120mm light duty concrete screws. **Fixing holes must be predrilled** (see points 5-6 opposite).



Timber Frame Fitting

Through Frame Fixing - New Build (Single Skin Brickwork*)

Pre-installation

- 1 Check the opening is plumb and square, report any issue to the site manager.
- 2 The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
- 3 Check the size of the door in relation to the opening and set aside.
- 4 Check the handing of the door prior to installation.

■ Additional Notes:

- This guide is for installation purposes only, the build detail shown is for illustration only and is not intended for use or to be included in any site build details, refer to customers detail and specifications for build detail and design.

- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 4 - Through Frame Fixing (8894454).

Unit Installation

- 1 Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress - **see Detail C.**
- 2 Centre the door in the opening and position from the front of the brickwork as required in builders specification.
- 3 Level under the sill using packers if required - **see Detail C.**
- 4 Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.

☐ **Note: Packers must not be removed.**

- 5 Fix the hinge side jamb first at the top and bottom of the frame using the recommended fixing kit - **see Detail D.**

☐ Top and bottom fixings to be no more than 150mm from the top and bottom of the frame

- 6 Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs.

- 7 Fix the unit with the remaining fixings, we recommend 5 fixings per jamb.

☐ Remaining fixings to be no more than 600mm centres and must be placed to avoid clashing with the hinge or lock keeps.

- 8 Once the unit has been securely fixed, check the squareness and adjust accordingly.

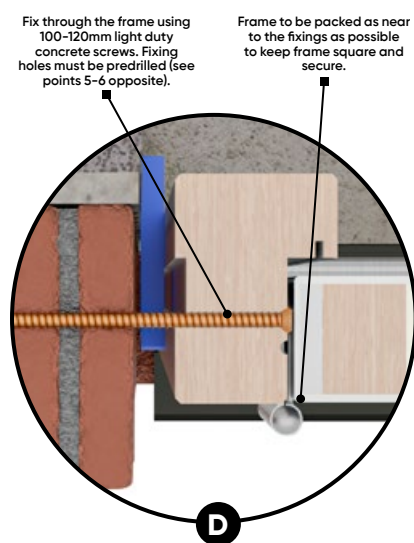
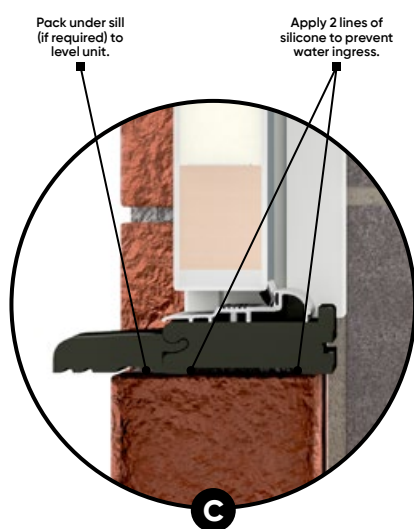
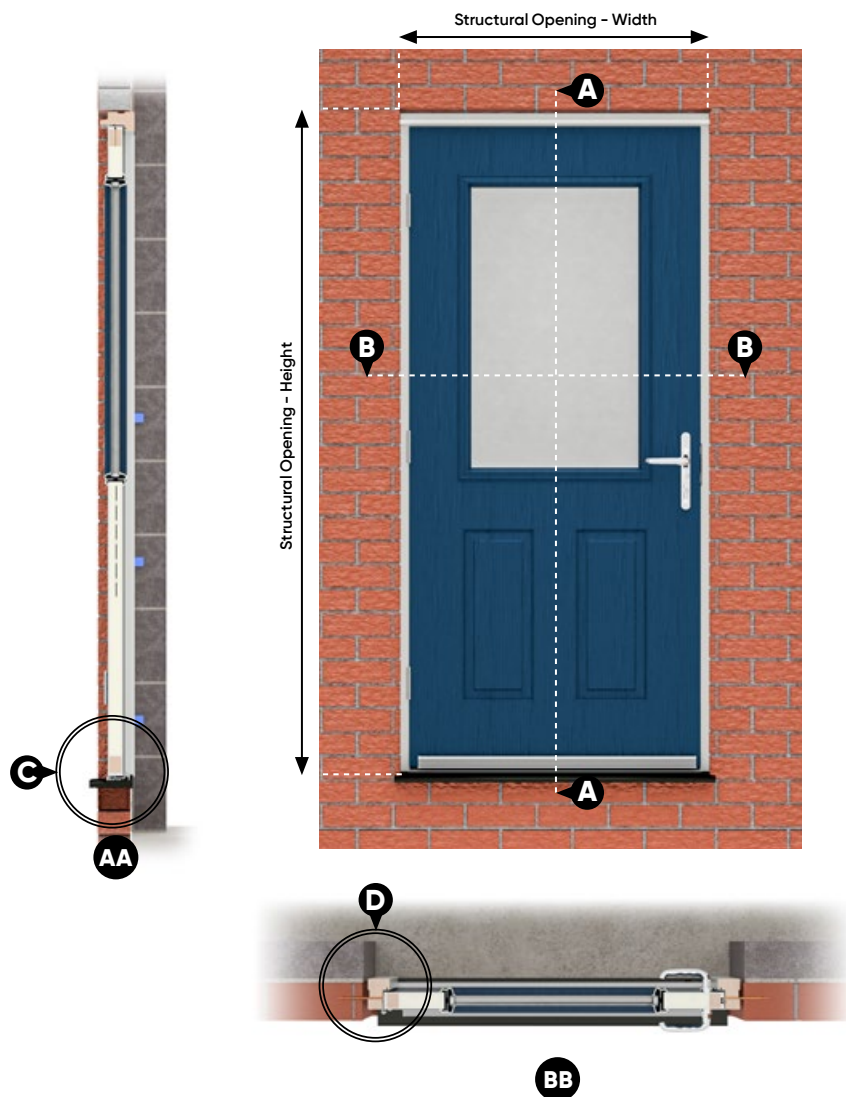
- 9 Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.

- 10 Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.

■ Additional Notes:

- Additional fixings can be used to fix through the frame if required.
- If required a fixing through the sill can be added.

*Typically garage personnel units.



Timber Frame Fitting

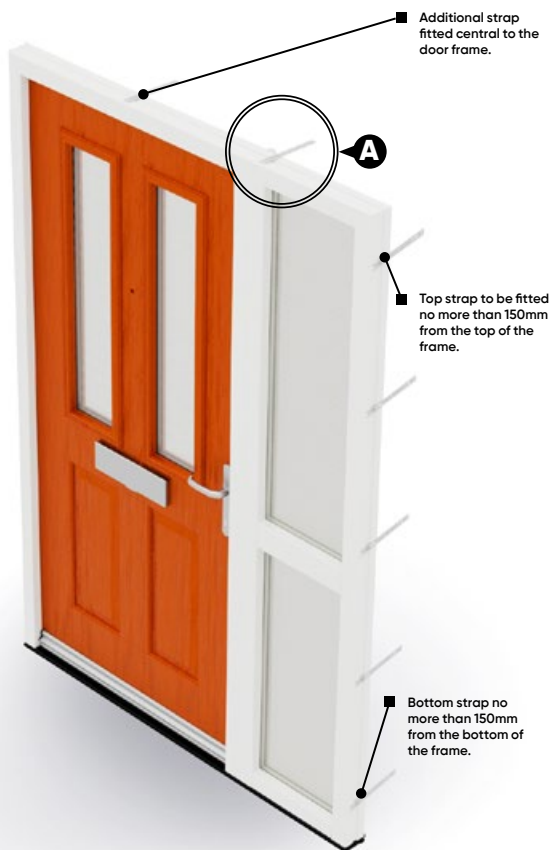
Masonry Construction with Structural Cavity Closer (Sidelight Unit)

Pre-installation

- ❶ Check the opening is plumb and square, report any issue to the site manager.
 - ❷ The opening should be free of debris and mortar. Clean off any debris to ensure a flat surface for the door unit to sit on.
 - ❸ Check that the structural cavity closer is secure, the system should not move and should be fitted flush with the supporting structure, if the cavity closer is loose or there is any movement, **DO NOT PROCEED AND REPORT THE ISSUE TO THE SITE MANAGER.**
 - ☐ The cavity closer must be tied into the brickwork and blockwork (See detail opposite) using suitable brick ties in accordance with the system manufacturers instructions.
 - ☐ The cavity closer must not be nailed into the supporting structure.
 - ❹ Check the size of the door in relation to the opening and set aside.
 - ❺ Check the handing of the door prior to installation.
 - ❻ Attach fixing straps and secure back to the frame using suitable fixings – **See Detail A.**
 - ☐ Position the top strap no more than 150mm from the top external corner of the frame. Fit the bottom strap no more than 150mm from the bottom of the frame.
 - ☐ Remaining straps are to be fitted at no more than 600mm centres.
 - ☐ 5 straps must be fitted to each jamb as shown opposite (6 straps to be used on fanlight frames) and fitted at an angle to allow any moisture to run off the straps as per NHBC guidance.
- **Additional Notes:**
- Straps are designed to suit 100mm and 150mm cavities, strap to be snapped off at break point for 100mm cavities.
 - When installing no fixings are to be inserted into mortar joints.
 - This guide is for installation purposes only, the detail shown is not intended for use or to be included in any build detail, refer to customers detail and specifications for build detail and design.
- **Fixing Kits:** Fixing kits are available to purchase. For this application you will need: Fix Kit 1 – Multi Use Kit (8894451).

Unit Installation

- ❶ Apply 2 lines of silicone seal to the floor slab where the sill will sit to prevent water ingress – **See Detail D.**
 - ❷ Centre the door in the opening.
 - ❸ For current Part L building regulations, position the door unit set back 50mm to overlap the cavity – **See Detail E.**
 - ☐ Door unit must be set back by 50mm as required in **Approved Document L: Conservation of Fuel and Power (2021 edition incorporating 2023 amendments).**
 - ☐ If unit does not need to be installed to the new building regulations, position the frame to sit 30mm over the cavity (approx 132.5mm from the front of the brickwork to the back of the frame)
 - ❹ Level under the sill using packers if required – **See Detail D.**
 - ❺ Using a long level square up both the hinge side and the lock side (side to side and front to back) and fit packers to keep the unit square and secure.
 - ☐ **Note: Packers must not be removed.**
 - ❻ Fix the hinge side jamb first at the top and bottom straps using the recommended fixing kit – **See Detail E.** Check the frame is square, repeat the process for the lock side jamb. Re-check the frame is square again and has a consistent gap at the head and down both jambs. Fix the unit at the remaining fixing straps.
 - ❼ Fix through the timber frame into the cavity closer using 100-120mm light duty concrete fixings – **See Detail E.** A minimum of 5 fixings must be used per jamb. The fixing direct through the frame can be positioned above or below the fixing strap and must be placed to avoid clashing with the hinge or lock keeps.
 - ❽ Once the unit has been securely fixed, check the squareness and adjust accordingly.
 - ❾ Check the operation of the door and ensure that the lock fully engages into the frame keeps, adjust keeps as required.
 - ❿ Finish the installation by sealing between the door frame and supporting structure, sealing can be as customer standard details or be filled with expanding foam and capped both sides with silicone sealant.
- **Additional Notes:**
- Additional fixings can be used to fix through the frame if required.
 - If required a fixing through the sill can be added.
 - The fixing through the frame must be into solid material, if a structural cavity closer has not been used then the fixing **must** be angled into the brickwork, this must be pre-drilled.



Strap to be fixed to the lintel using 4x32mm self tapping screws (1 per strap).

Straps to be fitted at an angle.

Structural Cavity Closer

Brick ties to be fitted to both the inner and outer course and bedding into the mortar as per manufacturers instructions.

Structural Opening - Width

Structural Opening - Height



Fixing strap can be snapped at break point to avoid overhanging the blockwork.

Pack under sill (if required) to level unit.

Apply 2 lines of silicone to prevent water ingress.

Fix into blockwork using aircrete fixings, 65mm long. Fixing must penetrate the blockwork by a minimum of 50mm.

Fix through the fixing strap into the cavity closer using 52mm concrete screws.

Cavity.

Fix through the frame into the cavity closer using 100-120mm concrete screws. **Must be pre-drilled.**

100-120mm concrete screw. Through door frame into cavity closer, **fixing hole must be pre-drilled.**

Frame to be packed out under fixing strap (or as near as possible) to keep the frame square and secure.

52mm concrete screw (into cavity closer).

Fixing strap.

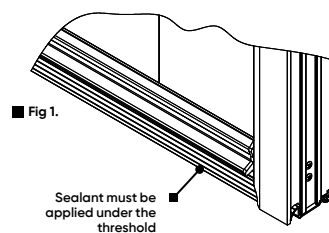
65mm aircrete fixing.

Sill Fitting

Unit with Low Ali Threshold

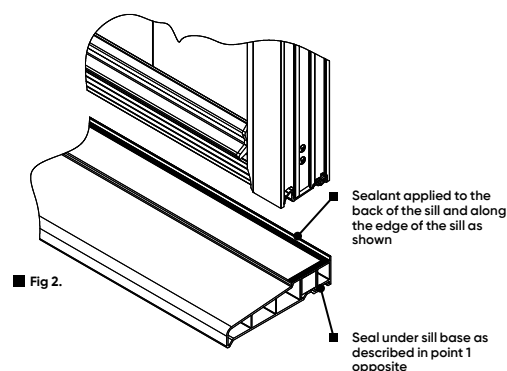
No PVC Sill:

- 1 Apply 2 lines of sealant to the face on which the sill will sit to prevent water ingress (See Fig 1).
- 2 Position the door unit in the aperture and level. (Place door unit on to seal, taking care not to disturb the bead of sealant).
- 3 Once installation is complete, check the drainage holes in the threshold are clear and not blocked or covered with silicone.



With PVC Sill:

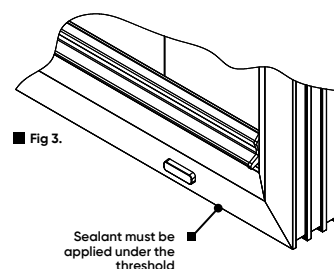
- 1 Apply 2 lines of sealant to the face on which the sill will sit to prevent water ingress (See Fig 2).
- 2 Position the sill in the aperture and level.
- 3 Apply a continuous bead of sealant to the sill as shown in Fig 2.
- 4 Fit unit to the sill and continue to install the unit as per the instruction manual.
- 5 Once installation is complete, check the drainage holes in the threshold are clear and not blocked or covered with silicone.



Full 4-Sided Unit

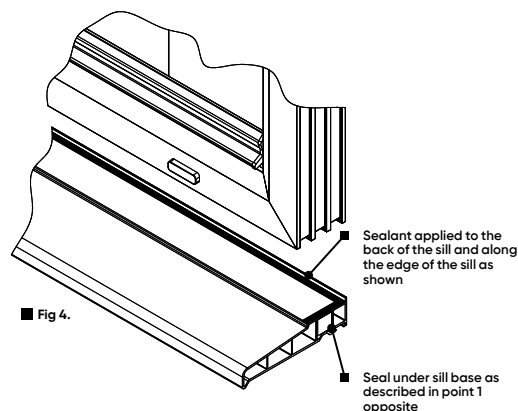
No PVC Sill:

- 1 Apply 2 lines of sealant to the face on which the sill will sit to prevent water ingress (See Fig 3).
- 2 Position the door unit in the aperture and level. (Place door unit on to seal, taking care not to disturb the bead of sealant).
- 3 Once installation is complete, check the drainage holes in the threshold are clear and not blocked or covered with silicone.



With PVC Sill:

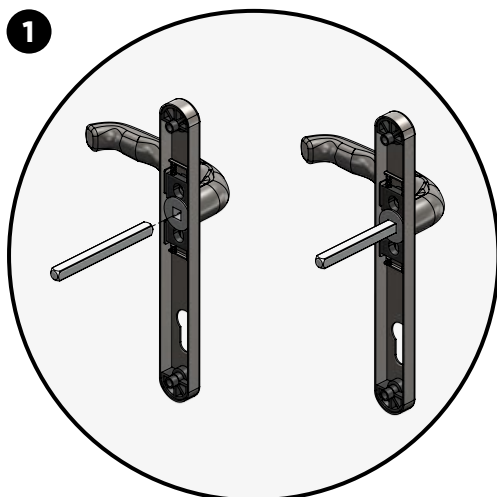
- 1 Apply 2 lines of sealant to the face on which the sill will sit to prevent water ingress (See Fig 4).
- 2 Position the sill in the aperture and level.
- 3 Apply a continuous bead of sealant to the sill as shown in Fig 4.
- 4 Fit unit to the sill and continue to install the unit as per the instruction manual.
- 5 Once installation is complete, check the drainage holes in the threshold are clear and not blocked or covered with silicone.



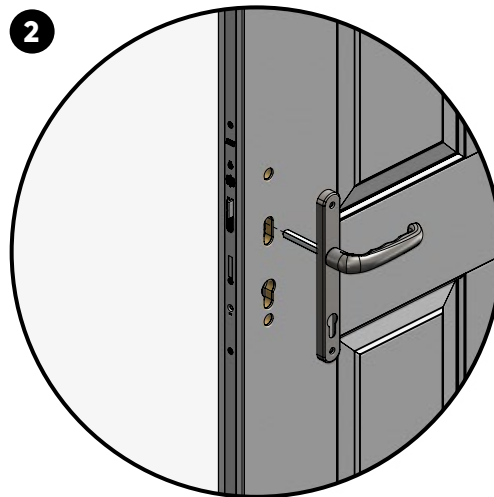
- ⚠ On units with a synthetic 2-part sill, the sill base is fitted to the door frame during manufacture. The sill nosedpiece is provided loose in the ironmongery pack, together with instructions for assembly to the door frame.

Fitting Lever Handle

Spindle & Lever



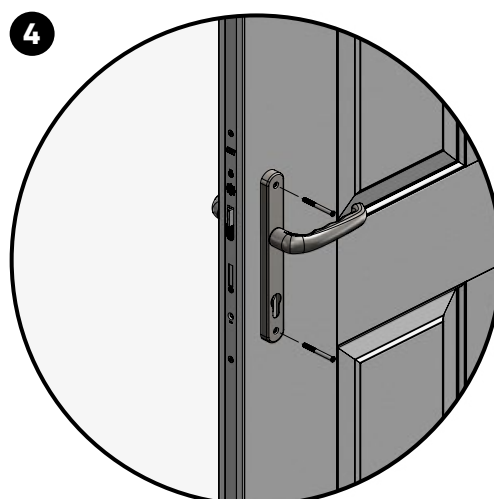
Pick spindle appropriate for the door thickness, and the internal lever, and push the spindle into the cavity of the internal lever.



Align and feed the internal lever assembly to the internal face of the door via the spindle hole on the lock mechanism.



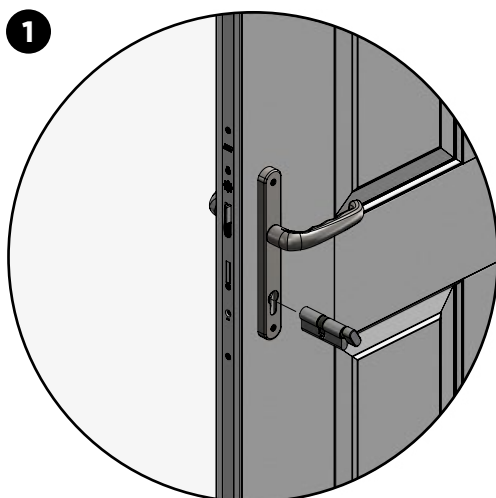
Pick the external lever component and feed it onto the same spindle from the external face of the door. Keep the levers held in place for the next step.



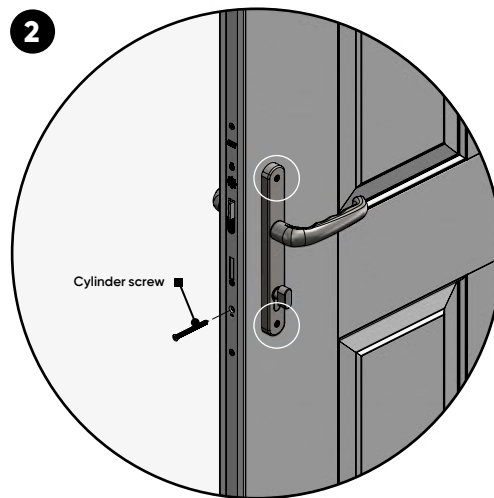
Pick x2 screws appropriate for the door thickness. Fix the levers in place by feeding and affixing the screws through the top and bottom holes found on the internal lever. **DO NOT** tighten these screws completely to make fitting the cylinder easier.

Cylinder Fitting

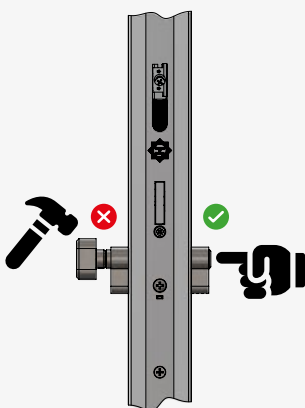
Information & important notes



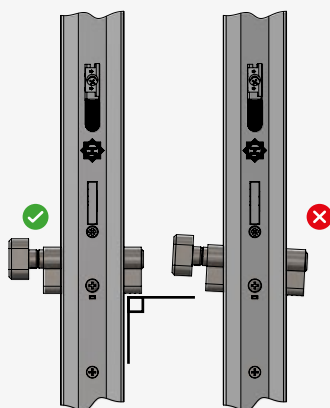
Turn the thumbturn (or key if key-key cylinder used) to the 10 O'clock position and feed into the cylinder hole on the lever until centralised within the door.



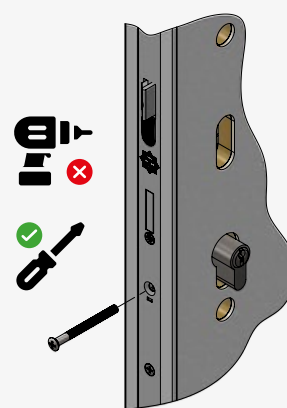
Feed the cylinder screw into the free hole on the lock mechanism, and fix the cylinder in place. Tighten completely. Finally tighten the fixing screws fully and test operation.



To fit the new cylinder, ensure the external side faces outside. Insert the cylinder into the door. **NEVER** force cylinder into place. Excessive force will damage the product and invalidate the warranty. Note: the maximum projection from hardware = 3mm.



The lock **MUST** be installed horizontally in line with the door, with the cylinder positioned at a 90° angle to it. Insert the key into the cylinder and gently turn it until the cam is centered. This alignment ensures the cylinder can slide smoothly into the door.

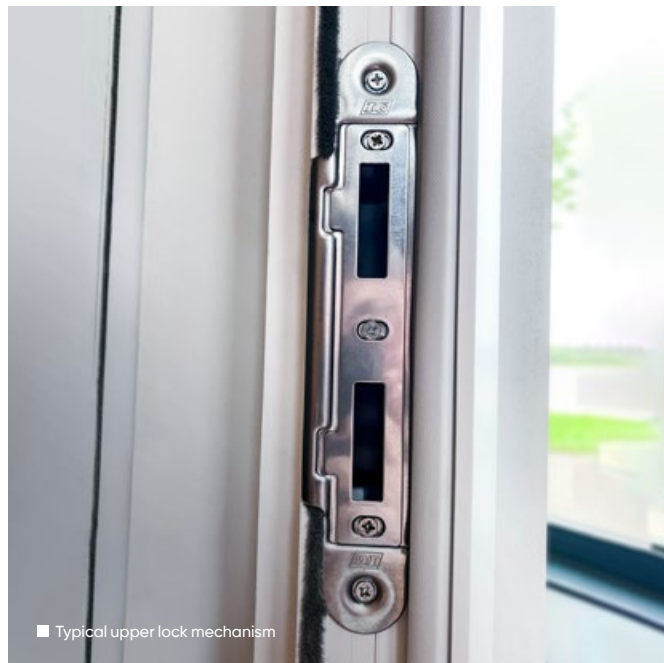


After inserting the cylinder, secure it using the provided retaining screw (this may need to be trimmed to fit). You might also need to re-install or tighten the door hardware. **DO NOT** use power tools to fit the retaining screw.

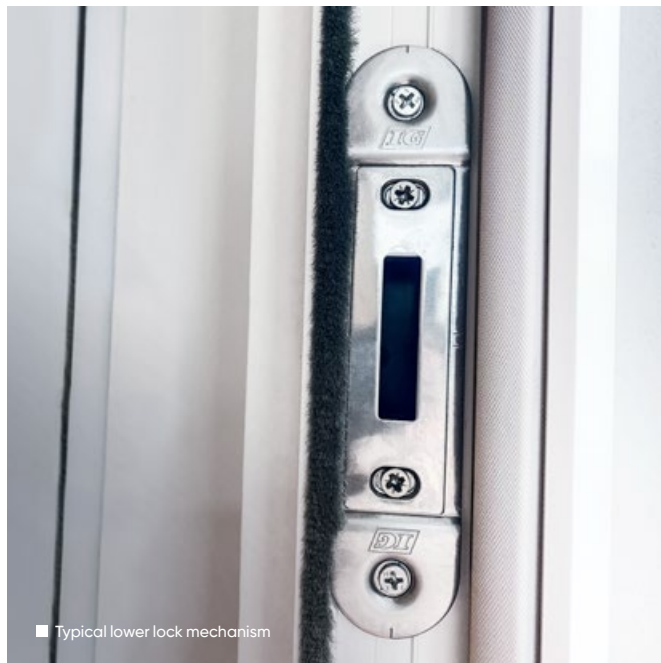
Finish & Maintenance

Site Adjustment of Multipoint Lock Keeps

After installation of the door, a final check should be made on keep alignment to ensure smooth operation of the lock mechanism and a tight seal against the frame weatherseal.



■ Typical upper lock mechanism



■ Typical lower lock mechanism

Important

- Close the door until the latch engages within the keeps. With the latch engaged there should be compression against the weatherseal in the frame. The internal face of the door should be flush with the internal face of the frame. (For open-out doors this will be the external faces).
- There are two problems that can arise from poorly adjusted lock keeps:
 - Firstly, keeps that have been adjusted too far into the rebate can make the door difficult to close and possibly lead to premature lock failure.
 - Secondly, keeps that are adjusted too close to the frame edge can result in poor compression on the seals which is likely to result in draughts and rattling doors.
- If you find you have either of these problems then adjust the keeps to the correct positions.

Making Adjustments

- 1 Adjustment is made by slackening off the keep adjustment screws. NB: There is no need to completely remove these screws for adjustment.
- 2 Once the screws have been loosened, close the door until the latch locates in the centre keep and lightly push the door to ensure the door face is flush with the frame jamb face.
- 3 Now lift the handle to 'throw' the locking mechanism. This will engage all bolts into the loosened keep plates.
- 4 Carefully push the handle down to disengage the bolts and open the door.
- 5 Re-tighten all adjustment screws. The door locking mechanism should smoothly operate when the bolts are 'thrown' into the keeps. If not, repeat steps 1 - 5..

MPL Operating Instructions



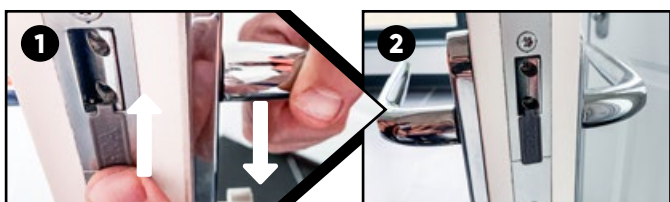
To unlock and open the door from INSIDE:

- Turn thumb turn clockwise
- Pull handle downwards



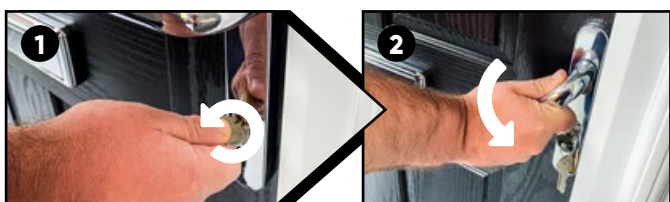
To lock the door from INSIDE:

- Firmly lift handle upwards
- Turn thumb turn anti-clockwise



To hold latch back (SNIB):

- With door in unlocked, open position, pull handle downwards
- Slide the plastic snib up 5mm over latch when retracted
- Gently release handle
- To release latch, slide snib down 5mm and latch will click out



To unlock and open the door from OUTSIDE:

- Insert key into cylinder
- Turn key anti-clockwise
- Pull handle downwards and open the door
- Remove key



To lock the door from OUTSIDE:

- Firmly lift handle upwards
- Turn key one full turn to lock and remove key

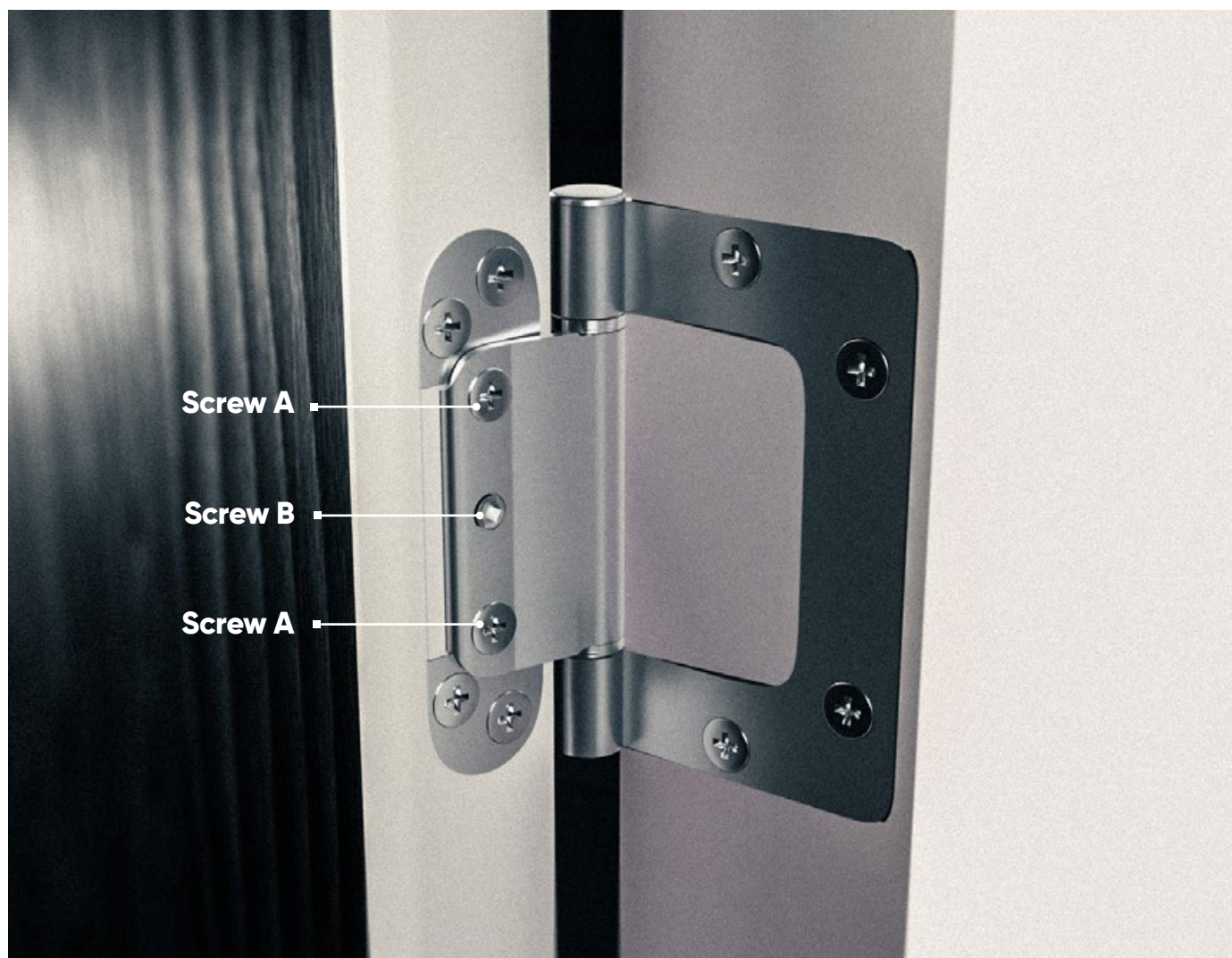
Maintenance

- All moving parts (e.g. latch & hooks) should be lightly lubricated using a light non-acidic mineral oil (e.g. "3 in 1") twice per year, and the surface cleaned with a soft damp cloth.
- The MPL fixings may need adjusting to ensure a satisfactory operation.
- NB: The keeps are factory set but can be adjusted for ease of operation and to give a tighter compression against the weatherseal.

How to Test Lock Failure

- Opening the door, lifting the handle and testing the lock.
- If lock works while the door is in the open position then the issue is not with the lock.
- Revert back to installing and check the keeps are adjusted and the frame is square and plumb.

Hinge Adjustment Instructions



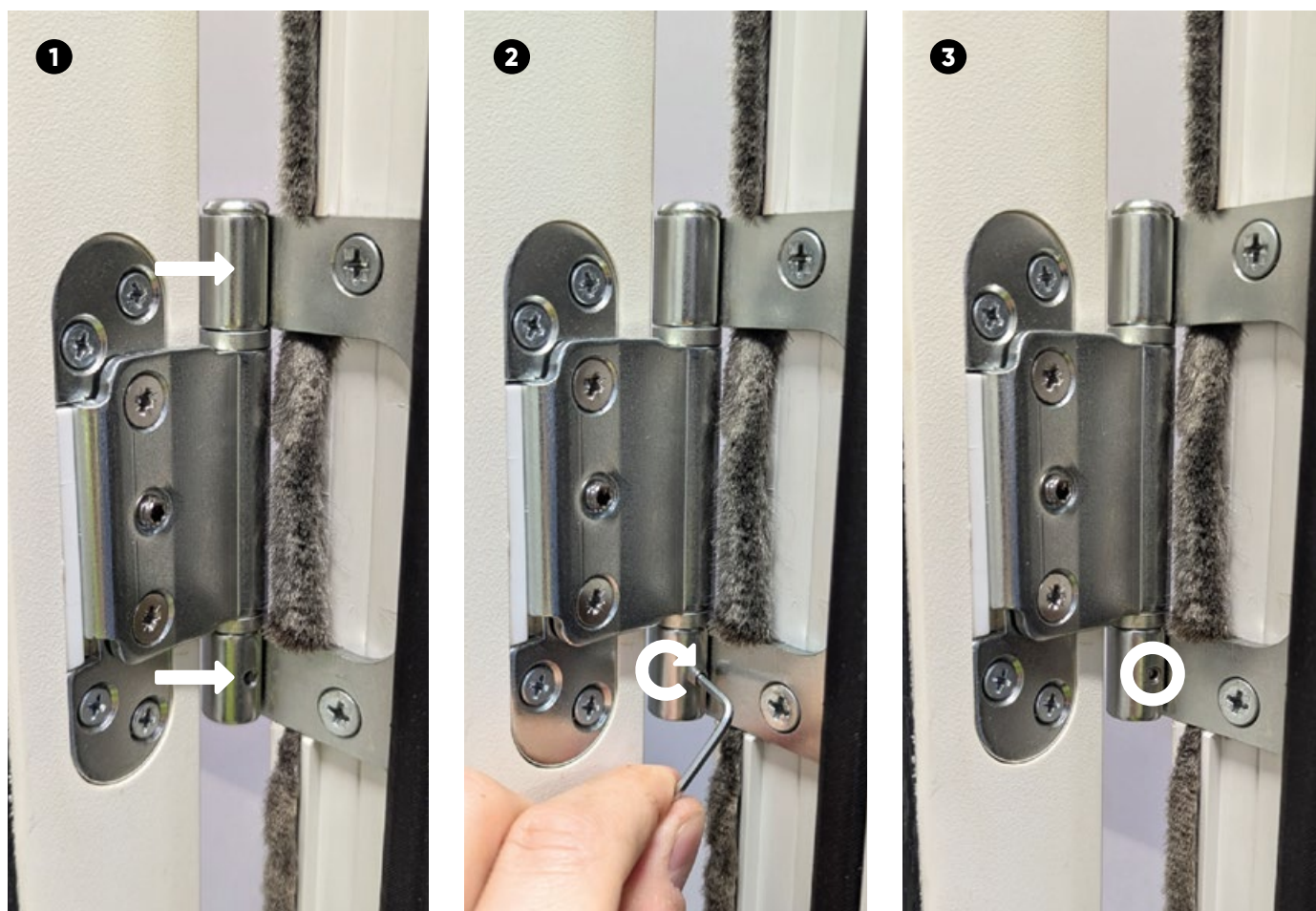
Vertical Adjustment

- 1 All hinges adjust together.
 - 2 Support underside of door with lever.
 - 3 Slacken screw B on each hinge.
 - 4 Lift or lower door to desired position.
 - 5 Tighten screw B on each hinge.
 - 6 Check operation of door.
-

Side Adjustment

- 1 Hinges adjusted individually.
 - 2 To move door closer to frame slacken screw B & tighten A screws.
 - 3 To move the door away from the frame, slacken A screws and tighten screw B.
 - 4 Check operation of door.
-

IG Doors Hinge Grub Screw Instructions



Open Out Adjustment

- 1** With the door open wide, locate the grub screw port. This may be on the lower or upper portion of the hinge knuckle depending on the handing of the door.
- 2** Collect an M4x5 grub screw and the included H2 Allen key in the pack, and using the key insert the grub screw into the port. Rotate the grub screw clockwise to fix into place.
- 3** The grub screw is completely inserted when it cannot be turned clockwise anymore, and the grub screw is flush with the outer face of the hinge knuckle.

Applying Paint Finishes to Steel & GRP Doors



Primed doors & frames should be painted within 3 months of delivery.

- 1** Wipe the door with a pre paint wipe or similar to remove any possible contaminants from the door.
- 2** The sheen of the primer coating must be removed by lightly rubbing with fine abrasive paper or scotch pad.
- 3** Clean off all dust and dirt with water and allow to dry, ensuring the surface is clean before painting. Apply paint (undercoat and gloss) to door. The glazing frame must also be painted following the paint manufacturer's instructions.
- 4** **DO NOT** paint the frame weatherstrip.

Make sure the door is completely dry before closing to avoid marking the face of the door with the weatherstrip.

Cleaning the Door Ironmongery



Do not use metal polishes, abrasive cleaners, chemicals or solvents.

- Metal polishes, abrasive cleaners, chemicals or cleaning solvents **SHOULD NOT** be used to clean ironmongery on the door. This could deteriorate the item and invalidate the warranty.
- To prolong the life of the furniture and the paint finish of the door, regular dusting with a soft cloth or camel hair brush, supplemented by regular washing with warm soapy water, is recommended, especially in industrial areas or coastal locations.
- Lubricate door mechanisms annually.
- Avoid scratches from rings and keys.

Repairing Dents & Scratches

Accidental dents or scratches may be easily repaired as follows:

- 1** Sand the damaged area making sure all the paint is removed.
- 2** Apply fibreglass plastic filler (similar to that used for car body repair) and follow the manufacturer's instructions.
- 3** Rub down the repaired area and repaint with undercoat and gloss.

Where the damaged surface being repaired lies adjacent to a previously coated surface, the cleaning shall extend to the surrounding coating by a minimum of 25mm. Select the correct touch-up pen. Apply a coat of paint using the pen to the defective area, ensure that a smooth coat, as uniform in thickness as possible, is obtained with no deep or detrimental brush marks.

Threshold Fixing

- The threshold strip must be fixed securely using at least 3 fixings.
- A continuous silicone seal should be applied to the underside of the threshold before fixing and also to the ends of the threshold where it meets the frame to ensure weather tightness.
- It is important that the door is fitted correctly (square and plumb) and that the threshold seals form a good seal across the width of the door.
- In exposed locations it may be necessary to apply additional sealing around/underneath hardware items and fixings such as handles and cylinders.

Glass Markings on Doors

- ⓘ Please note that any glass under 250 x 250mm in size legally does not require Kite Markings.

Sill Protectors

Protecting door sills from scratches, scuffs, and wear throughout the construction process.

During housebuilding projects, door sills are exposed to high foot traffic, tools, and materials, often leading to scratches, dents, and general wear. IG Doors Sill Protectors are designed to safeguard door sills from installation through to final handover, preventing unnecessary damage and maintaining a professional finish. As a built-in part of our service, they offer durable, hassle-free protection without additional cost.



- **Built-in protection** – Supplied as standard with every Supply & Fit installation, ensuring no extra costs.
- **Site-ready durability** – Designed to withstand active construction environments, shielding against work boots, tools, and materials.
- **Hassle-free installation** – Fitted by our engineers at the final stage of installation for maximum coverage.

Door Guards

Keeping doors pristine from installation to final handover, ensuring a flawless finish.

Once installed, doors can be vulnerable to scuffs, dirt, and accidental knocks throughout the construction process. IG Doors Corex Guards provide a robust, protective layer that remains in place until project completion, ensuring doors stay in perfect condition. These Guards are also 100% recyclable, supporting sustainable construction by reducing plastic waste and promoting reuse in new plastic products.



- **Supply as standard** – Protective sheeting applied after installation for full coverage at no extra cost.
- **Prevents damage** – Shields doors from site-related wear, including scratches, dirt, and impact from tools or materials.
- **Sustainable solution** – Once used, protectors are collected, washed, reprocessed, and fully recycled into new plastic products.

How to Order

Using Sill and Door Guards ensures that every door reaches the homeowner in flawless condition, preventing unnecessary repairs, warranty claims, and costly replacements. We highly recommend using these protectors as part of your installation process to maintain the professional finish and quality that IG Doors is known for. For **Supply Only** projects, protection products can be ordered using the following part numbers:

- Corex Door Guard – **8893951**
- 82mm Sill Protector (870mm) – **8894722** – PVC frames
- 94mm Sill Base Protector (870mm) – **8894723** – Timber frames & Clima63 Doors

Customer Care Team

Reporting a Claim

To report product failure under warranty, please email the Customer Care Team with the information detailed below:

- Site name
- Plot number
- Occupier's name & full address (if applicable)
- Occupier or Site contact telephone number(s)
- Brief description of problem being experienced with our product
- Number from label on top of door and not glass
- Photos to be sent if possible to speed process
- Email: customer.care@igdoors.co.uk

Locksmith Service

If you require a locksmith during normal working hours, please call:

Tel: **01495 368 200**

Monday-Thursday: 8:30am – 5:00pm / Friday: 8:30am – 2:00pm



There is a charge if engineer or locksmith attends and no manufacturing or lock fault is found.

Out of Hours Emergency Number

Monday-Friday: 5:00pm – 8:00pm / Weekends: 8:30am – 1:00pm

Tel: **0844 324 5114**



Only to be used for complete failure of locking mechanisms occurring outside normal working hours.





IG•DOORS™
making an entrance

General Enquiries: **01495 368 200**
Estimating: **01495 368 230**
Technical Support: **01495 368 231**
Email: **customer.care@igdoors.co.uk**



igdoors.co.uk