

Vufold External Composite Front Door Set

Assembly Instructions

Standard & Bespoke sizes



About your Vufold External Composite Door

Vufold products must be installed in accordance with accepted good trade practice and in accordance with these supplied instructions and maintained in accordance with the maintenance procedures in the Homeowners Manual, or else the warranty shall be void.

Important information

We recommend that a competent trades person install this product. These products are heavy so a single person must never carry out the installation alone.

Care of doors and frames on site

Please check the door and frame at the time of delivery to ensure that it is acceptable and in good condition. If you find any damage please inform Vufold immediately. When storing prior to installation the door and frame should be handled with care and stored in a dry, ventilated building.

Conditions of Sale

We shall not be held responsible for any incidental work expenses arising out of, or because of any defect, in our product, or bad workmanship to our product. In the event of the goods having manufacturing defects and requiring replacement, our liability will be limited to the value of the door or frame component only. These notes do not affect your statutory rights with the retailer of this product.

CONTENTS

Your Vufold External Composite Door set is supplied as a complete set, already assembled with the glass and the majority of the hardware already fitted. Loose components include handles, hinge end caps and covers and drip cill / end caps.

Please check the contents of the packages to ensure all parts are present before beginning removal of previous door and assembly of your new door.

Door / Frame Parts

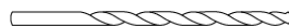
Composite Door	Qty 1pc
PVC Frame	
-Frame Head	Qty 1pc
-Frame Jambs	Qty 2pc (1 x left & 1 x right)
Aluminium Threshold	Qty 1pc
PVC Drip Cill (loose)	Qty 1pc

Installation Kit Includes:

A) Hardened Direct Frame Fixings 7.5 x 92mm - 12



B) HSS Long Drill Bit 6.5 - 1



C) 1/4 " Hex Insert Bit T30 - 1



D) SDS Drill Bit - 1



E) 3.9mm x 25mm Self Drilling Screw - 2



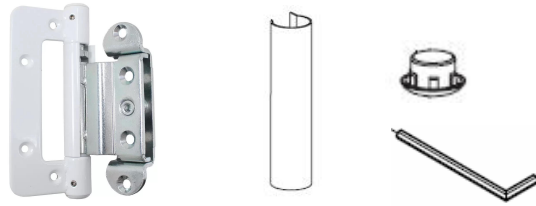
F) Insert bit 1/4 x 25 Pozi No2 - 1



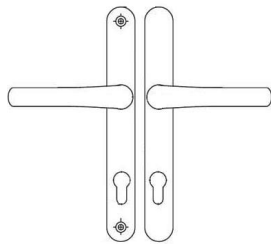
CONTENTS (Cont)

Hardware

Qty 3pc Hinges (fitted) includes caps, cover caps & 4mm Allen Key (loose)

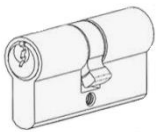


Standard Hardware Options



Lever Lever Handle
Qty 1 Pair (loose)

Multi-point
Trulock (fitted)



3 Star E
Key/Key

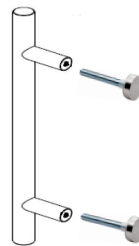


Hook Keeps
Qty 2
(fitted)



Centre Keep
Qty 1
(fitted)

Upgraded Hardware Options (Cont)



Short Bar Handle
600mm (loose)

Heritage Auto
Lock Qty 1
(fitted)



Magnet Qty 1 (fitted)



Hook Keeps
Qty 2
(fitted)



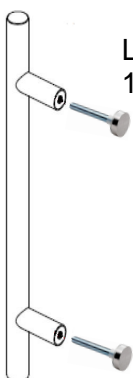
Centre Keep
Qty 1 (fitted)



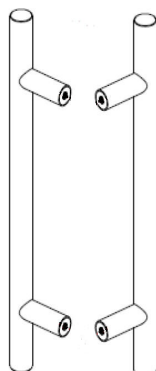
Day Switch Qty 1
(fitted)



Upgraded Hardware Options



Long Bar Handle
1400mm (loose)



Double Long Bar
Handle 1400mm
(loose)



Escutcheon Qty 1
(fitted)



3 Star Euro Cylinder
Key/Thumbturn
Qty 1 (fitted)

Preparing the site

Before commencing the installation, double check the opening is the correct size and the items you've received are to the correct specification including size, handing, colour and glass before discarding any packaging. This includes any components that may be supplied fitted or loose. Check the items are free from damage. **We advise the existing door is not removed until all checks have been completed.**

Remove all old silicone, screws and nails if present. The brickwork opening should be 10mm bigger in height and width than the assembled outer frame size. Please ensure that all dimensions are correct for installation before proceeding as the door set must be installed square and level into the opening and cannot be trimmed. Composite Front Door outer frame dimensions & recommended brickwork openings for standard sizes;

Outer Frame

- 928mm wide x 2079mm high
- 852mm wide x 2079mm high

Brickwork

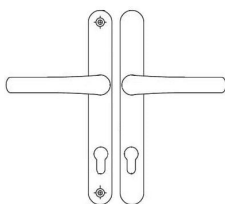
- 938mm wide x 2089mm high
- 862mm wide x 2089mm high

IMPORTANT- you should always allow 10mm clearance for in/out frame adjustment. Avoid pushing the frame tight against the plaster line as this could lead to the frame being fitted in twist.

Fitting the handles

Your handles are pre-machined and just need to be bolted / screwed onto the door. Take care to use the correct handle on the correct side of the door.

With lever handles fit the handle with the Screws on the inside

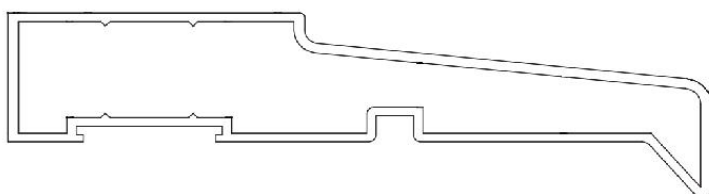


With double long bar handles, fit the pull bar with the small hole on the outside and the pull bar with the bigger hole on the inside.

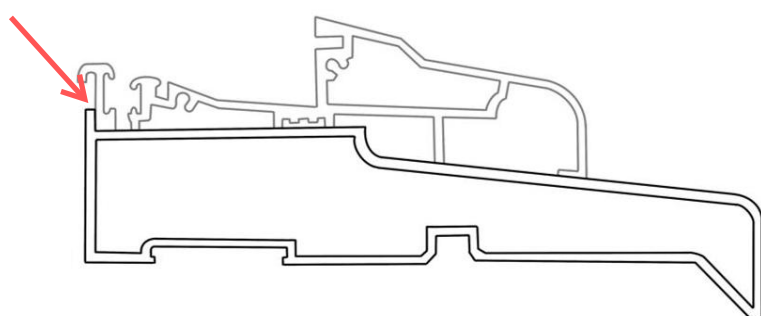


Attaching the drip cill

The aluminium threshold will be pre-drilled to fix to the drip cill. Run a bead of silicone along the back edge and sides of the drip cill where the threshold will sit to prevent water penetrating.



Drip cill (section)

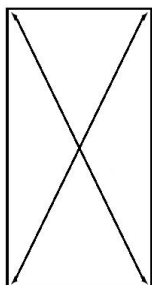


Aluminium threshold on drip cill (section)

Attaching the drip cill (Cont)

Fix through the aluminium threshold in the pre-drilled locations using the 25mm stainless steel self-tapping screws (E) and pozi bit (F) provided. Glue the cill and threshold end caps in place.

Installing the assembled frame



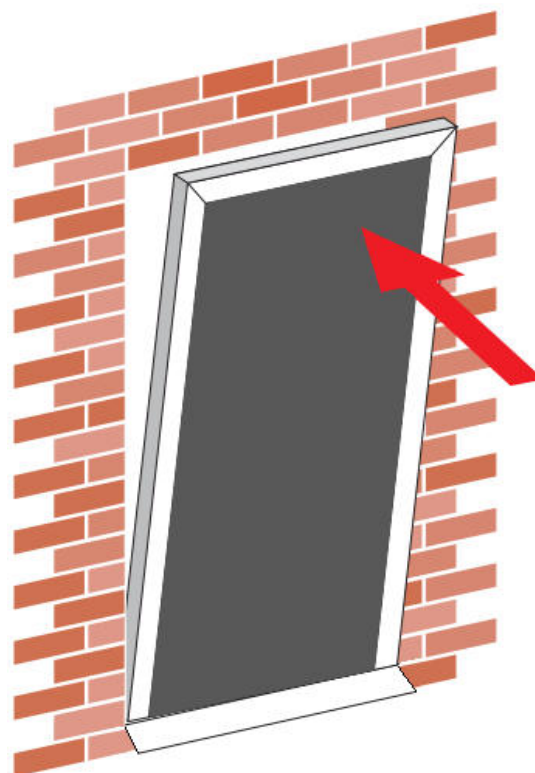
IMPORTANT During the installation it is advised to repeatedly check the alignment and squareness of the outer frame. Measure the distance across diagonally to check squareness. Without these checks the installation may be unsatisfactory, causing damage to the door and incorrect operation.

fig. 1

Carefully lift the door set (two people required) and fit it into the brickwork opening (figure 1).

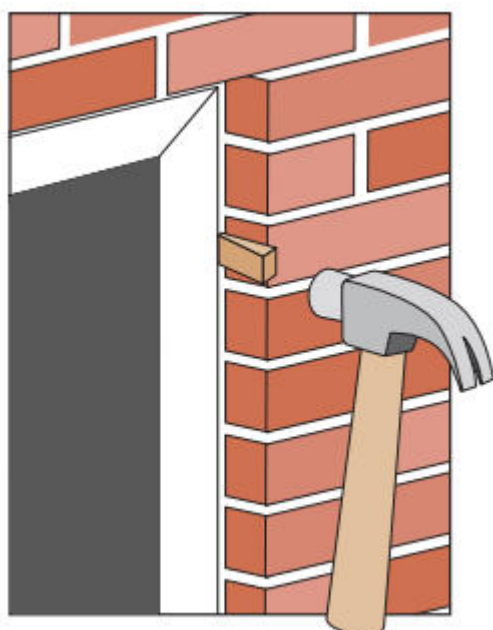
IMPORTANT the frame should not be pushed tight back to the plaster line as this can lead to the door being fitted in twist.

Using packers if necessary, level the door set until it is completely flat and level in the opening.



*Threshold must be bedded on silicone

fig. 2

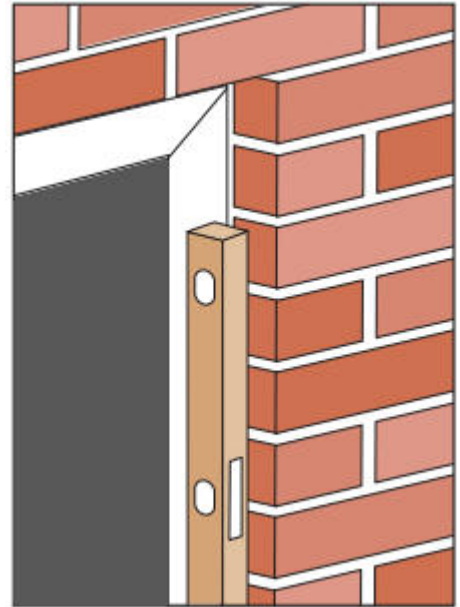


Use wedges/packers at both sides of the frame to temporarily hold the door set in the brickwork opening (figure 2)

Installing the assembled frame (Cont)

Use wedges/packers and frame packers to adjust the door set in the opening, to ensure it is square and level in every plane (figure 3)

fig. 3



We recommend you use a spirit level that is at least 2M in length. Frame packers should appropriately sized and placed adjacent to the frame screws used to secure the frame to the brickwork to ensure the frame is not distorted.

Make sure you have an even air gap between the door leaf and frame from top to bottom. If it is not equal you must correct it before moving on.

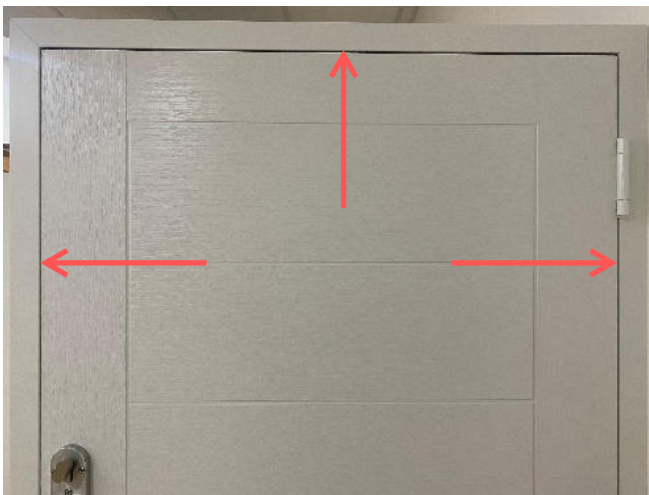
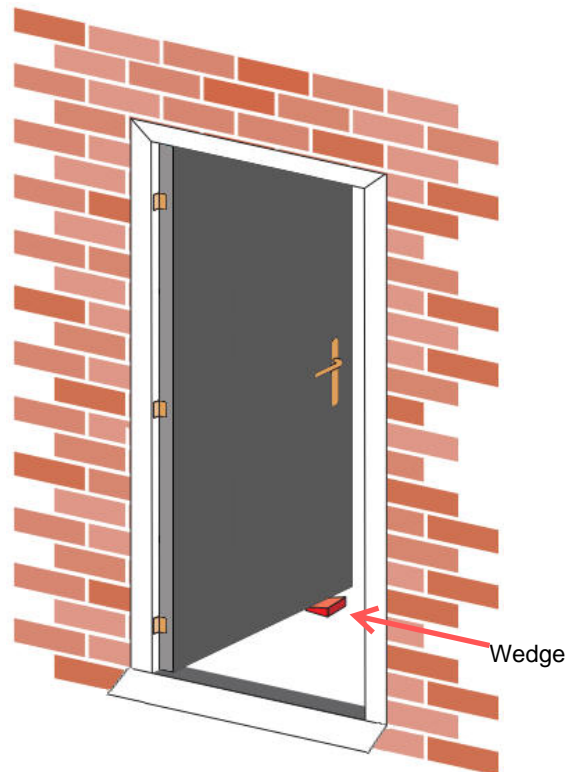


fig. 4



Open the door and support it underneath (figure 4). Then check again to ensure the frame is square and level in the opening, with an equal air gap. If it is not equal this must be corrected before proceeding.

Close the door and again check the air gap is even. if not continue to pack the frame until equal before moving on.

Installing the assembled frame (Cont)

Once you are happy the door set is in correctly, that is with an even air gap all the way round, fix through the outer frame into the brickwork through both jambs, with fixings at spacing shown (figure 5) using the direct frame fixings (A) provided (unless the construction of your building requires more appropriate fixings to suit the individual dwelling)

Generally all four sides of the frame should be secured however it is understood that dependant on the lintel used at the head, fixing at this point may not be possible.

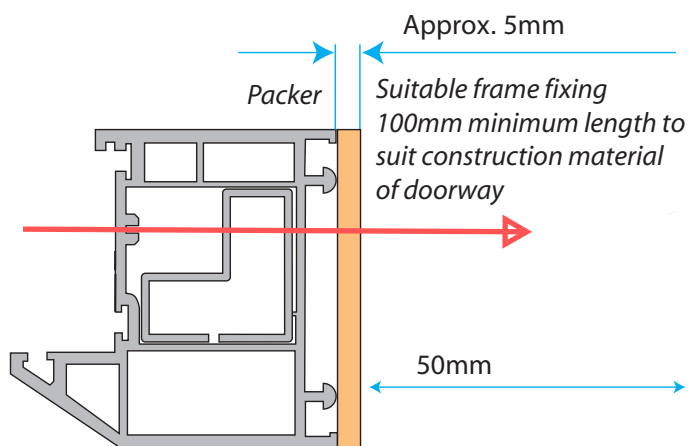
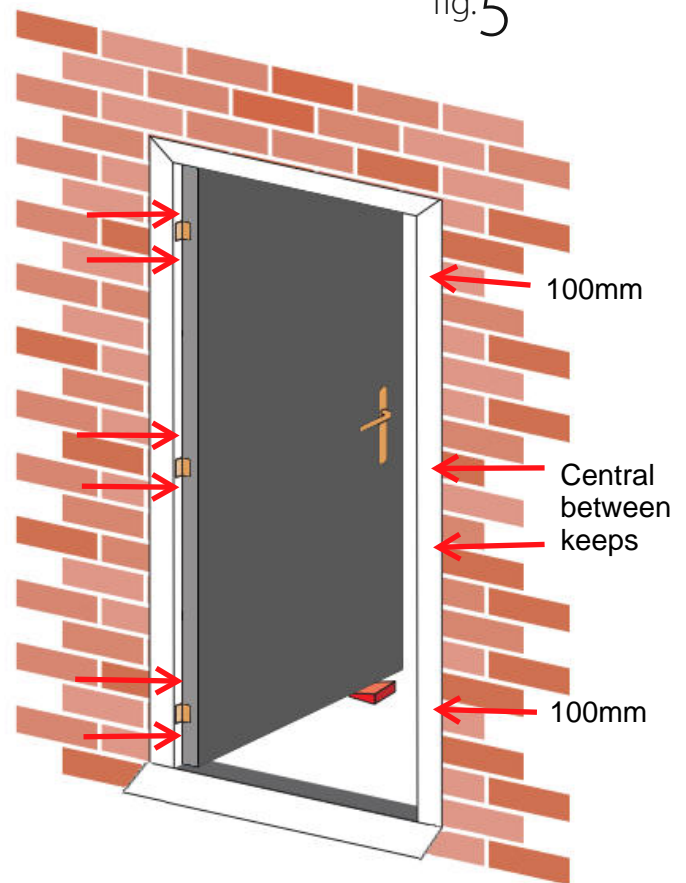


fig.5



Take care to avoid mortar joints as all fixings need to be secure. Use the direct frame fixings as follows:

- 1) Use the 6.5mm HSS drill to drill holes in the frame jambs.
- 2) Use the 6.5mm SDS masonry drill to drill into brickwork.
- 3) Use the Torx 1/4 hex T30 Bit to screw in the direct frame fixings.

When all the fixing points are loosely secured, check the frame again to ensure it is level in every plane and square in the opening with an equal air gap. Finally, remove any temporary wedges and tighten the fixings, leaving the packers in place, and do one last check with the spirit level.

Do not over tighten the fixings and distort the frame.

Installing the assembled frame (Cont)

Try opening and closing the door and then try locking the door. If the door is not opening and closing easily, small adjustments can be made using the adjustable hinges.

- Remove the lower cap and cover cap as shown (figure 6)
- Open the door and unscrew but do not fully remove the lower security screw marked (2) (figure 7)

fig.6

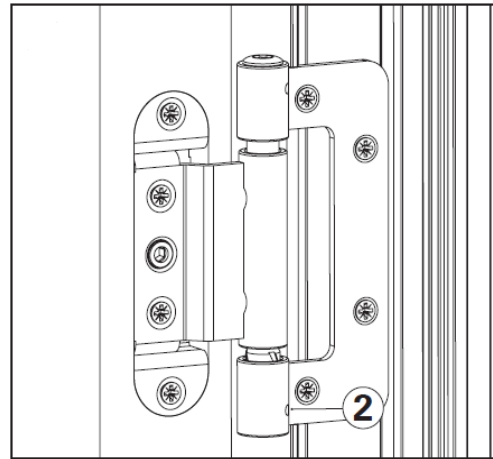
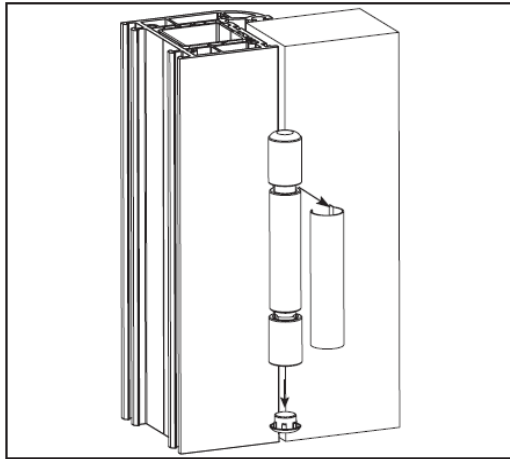


fig.7

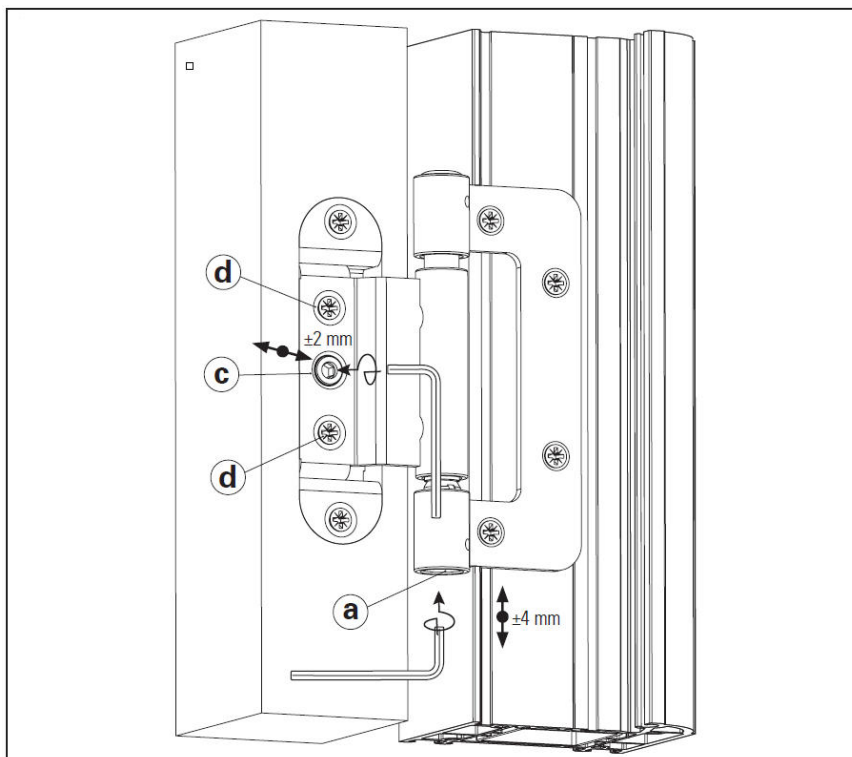
HORIZONTAL ADJUSTMENT

To increase the air gap between the door and frame, loosen screws (D) adjust by turning screw (C) with a 4mm Allen key and tighten screws (D).

To reduce the air gap turn screw (C) and tighten screws (D)

HEIGHT ADJUSTMENT

Adjust by turning screw (A) with a 4mm Allen key.



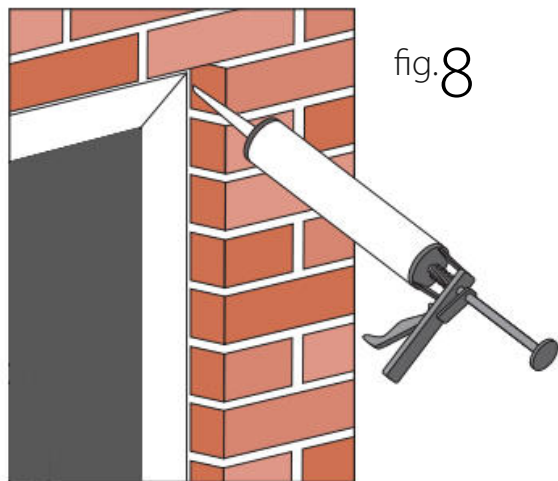
- Open the door and tighten the security screw removed in figure 7

- Replace the lower cap and cover cap removed in figure 6

Installing the assembled frame (Cont)

If necessary use expanding foam to fill the gap between the frame and the brick work taking care not to get it on the frame & door. Ensure just enough is used not to distort the frame when it expands.

Once this has dried it can be cut away and silicone sealant or similar used to seal around the outside perimeter of the door frame. Ensure the frame is free from dust and debris before applying to ensure an adequate barrier is created to prevent any water or air leakage (figure 8). Remove any protective film before sealing.



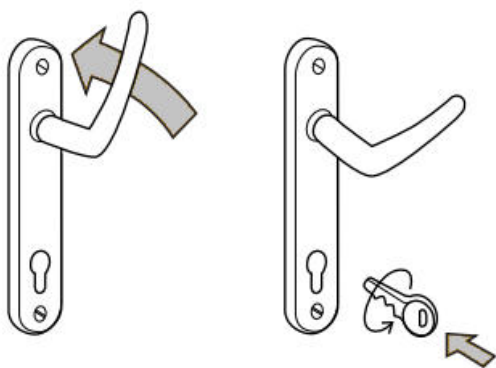
Seal under and around the outside of the cill, ensuring you do not block any of the drain holes

Repeat the frame sealing on the inside using decorators caulk and/or PVC trims.

Take care to ensure any drainage holes are kept clear of debris and sealant.

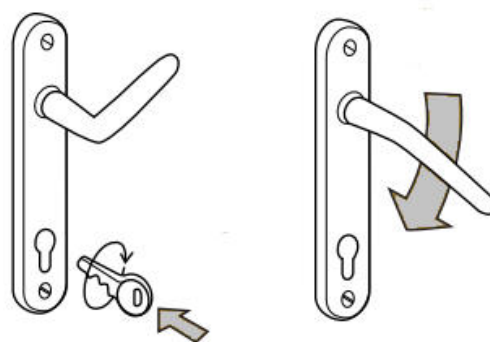
Operation

Door set with standard Handle & Lock



Locking - to lock, lift the handle lever in an upwards direction to throw all security bolts. This will engage all locking points into the keeps.

Allow the handle to return to the horizontal position. To deadlock, turn the key one full turn towards the edge of the door. This will secure all bolts. In this condition the handle cannot be pushed down. Remove the key.

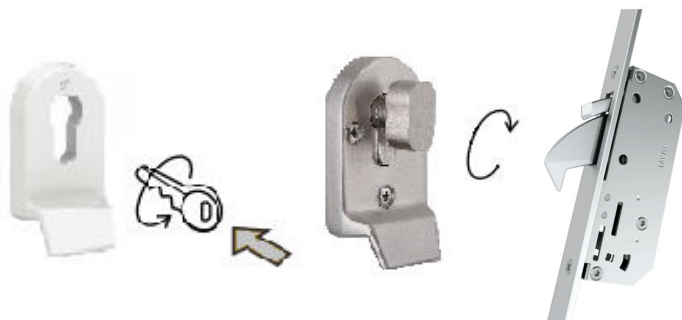


Unlocking - turn the key one full turn away from the edge of the door. This disengage the deadlocking security.

In order to retract the security bolts push the handle lever in a downwards direction and the door is then free to open.

Operation (Cont)

Door set with Auto lock / Escutcheon with thumbturn



Unlocking - From the outside turn the key away from the edge of the door. This disengages the hooks and retracts the latch. The door is then free to open, use the handle to push the door open.

From the inside, turn the thumbturn away from the edge of the door to perform the same action. Use the escutcheon (or handle if selected) to push / pull the door.

Locking - As you close the door the multi-point locking duo hooks automatically engage.

The day switch acts as a snib function allowing access from the outside without a key. Pushed down it will allow the door to open from the outside, pushed up it will prevent the door being opened from the outside without a key.

The day switch is pre-fitted into the centre keep on the locking side of the frame, and is a small blue plastic catch as shown opposite.

Day switch



Care and Maintenance

Vufold Composite Front Door Sets should be cleaned at regular intervals which should only be done with warm soapy water and a soft lint free cloth. Any hardware cleaned should be immediately dried off with a soft lint free cloth.

The threshold should be kept clear of debris and regularly cleaned to ensure the drainage channels remain clear, which can be done whilst cleaning the rest of the door set. The threshold should be stepped over when entering and leaving and not used as a step, to avoid damage to the threshold and seals.