

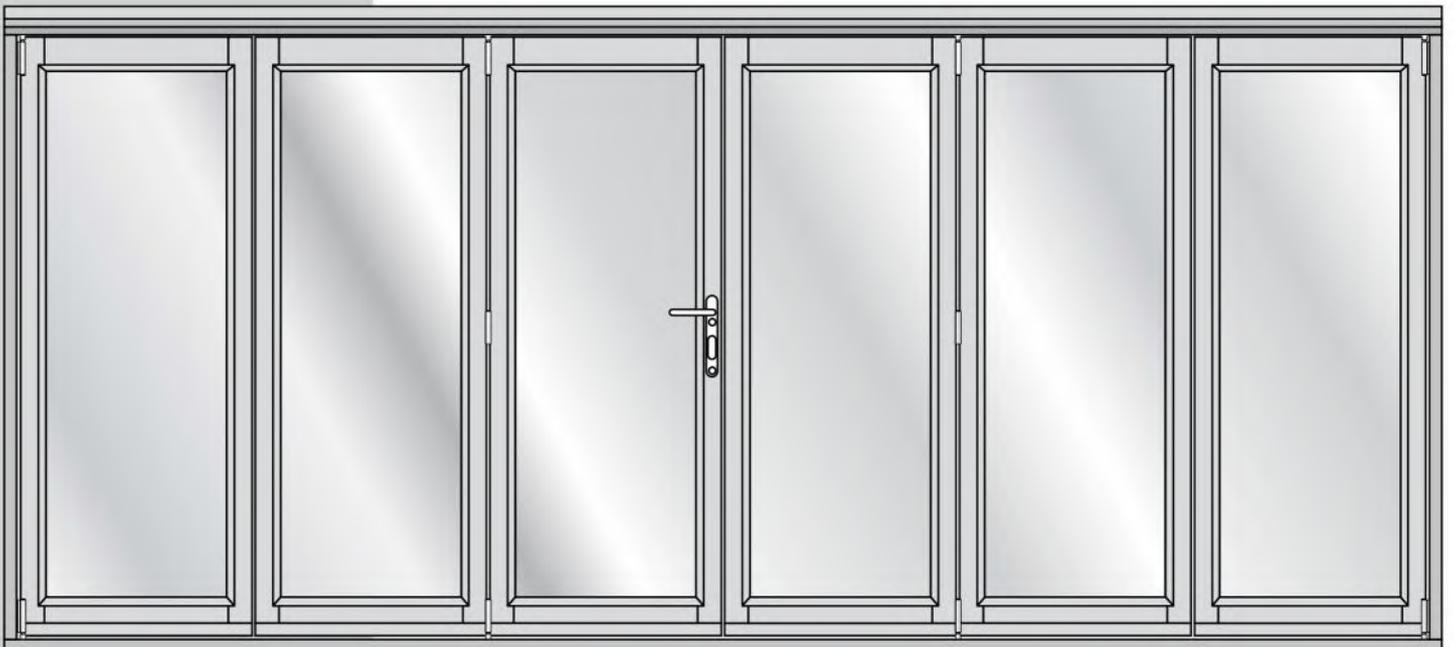
# 54S

## Slimline Sliding Folding Patio 6 Door Set

**4.2M - 4190mm W x 2090mm H**

**4.8M - 4790mm W x 2090mm H**

### Assembly Instructions



## About your patio door set

All products must be installed in accordance with accepted good trade practice (and in accordance with supplied instructions where applicable), and maintained in accordance with these procedures or else the warranty shall be void.

### Important information

- We recommend that a competent tradesperson install this product.
- A single person must **never** carry out the installation, as some components are very heavy.
- The Outer-Frame Head requires fixing to the building lintel over the opening. The lintel **must** be capable of carrying the load of the door in all conditions. If in doubt consult a structural engineer.

#### Automatic Closures and Operators

- The hardware systems are designed for manual operation. Poorly adjusted automatic operator closers can impart significant destructive forces to tracks, bearings and stops. Such hardware used in installations is expressly excluded from warranty terms.

#### Care of doors and frames on site

- Please check doors, frame and sill at the time of delivery to ensure that they are acceptable and in good condition, and within 72 hours of delivery. If you find a component missing or damaged please inform us immediately. We keep replacement components of most set parts and these can be sent out to you quickly. This will save you having to re-package and return the whole set, and allows you to continue with the project. (See separate parts list for component reference numbers)
- When storing prior to installation, the doors and frames should be handled with care and stored in a dry, ventilated building. Doors and frames should be stored flat and on a level surface (not on edge or on end).
- Should you need to store the doors before installation, they must still be fully inspected and checked for damage or faults and reported within 72 hours of delivery, repacking if necessary.
- Doors should not be stored or fitted in the building until the wet trades such as plastering, painting etc. have been completed and the room is dried out.

#### Finishing prior to Installation

- See **Pre-finishing the wooden parts** - Very important: We do not recommend wax or oil finishing systems such as Linseed oil or Teak oil.

#### Trimming

- This Sliding Folding Door Set is not designed to be trimmed on site and should be fitted as supplied.

#### 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 or hardware component only. These notes do not affect your statutory rights with the retailer of this product.

### Maintenance

*Hardware in buildings is subject to deterioration from everyday use, and also environmental attack due to atmospheric and other conditions. Maintenance of hardware is even more important in severe environments such as coastal marine areas, and some industrial areas. Even stainless steel products require maintenance to prevent deterioration in some environments. We require the following minimum maintenance to be followed otherwise the warranty shall be void.*

#### Track and Bearings:

Using a spatula or similar (not your fingers), apply a small amount (typically a 1/2 teaspoon of white petroleum jelly (Vaseline) or similar lubricant to the inner lip of each side of the track. Ensure that the wheels pass through the lubricant and it is distributed evenly along the track. Put additional lubricant around bearings. Lubricant reduces wear, improves smoothness and further protects against corrosion of track and bearings. Remove all surface contaminants by wiping all visible track surfaces with a damp soft cloth and mild detergent, then wipe clean with a clean cloth. In severe environments, apply a thin film of corrosion preventative such as WD40, by wiping with a soft cloth moistened with one of these products.

Stainless steel bearings are manufactured from hardening-grade stainless steel and although this material performs considerably better than plated steels, it is susceptible to corrosion unless maintained as described above.

#### Hangers, Pivots and Brackets:

A light spray application of a corrosion preventative such as WD40, followed by a light wipe with a dry cloth to remove excess, is recommended to all hangers, pivots and brackets. Exposed surfaces should first be wiped with warm soapy water and a soft rag, and then rinsed clean before applying preventative.

#### Hinges:

Wipe down the visible surfaces with warm soapy water on a soft rag and then rinse off by wiping with a clean damp rag. Application of a thin film of light machine oil or WD40 will help to maintain the original lustre of the metal finish. Be careful not to get these compounds on the timberwork itself as may cause staining.

#### Drop bolts:

Spray application of a suitable lubricant such as WD40 to the sliding pin inside the bolt and to the lock cylinder is recommended. A tube attached to the nozzle will help to concentrate the spray where you want it to go. There are access holes or slots on all drop bolt products so that this can be done without removing the locks from the doors.

#### Frequency:

The procedures mentioned above need to be carried out as often as is necessary to prevent deterioration in the installed environment, however we recommend the following minimum frequency of application:

General environment - 6 monthly

Marine environment - 3 monthly

*Please be careful not to get the lubricants or other liquids above on the Timber components as may cause staining of the timber.*

#### The properties of timber

No two trees produce identical grains or colour of wood and this adds to the beauty of a natural product. We therefore cannot guarantee that all doors and frame components will look exactly the same in grain and colour. Warping of wood is not a defect if it does not exceed 1/4 inch (6mm) in its installed position.

#### Maintaining the doors and frame

We suggest additional treatment and finishing may be required at least once a year or sooner if there is any indication of deterioration in the wood protective finish used.

# Contents (1)

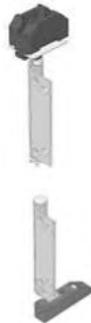
**IMPORTANT:** Please check the contents of the packages to ensure that all parts are present and in good condition before booking your installation

## Timber parts

<b>Door 1 - Right pivot door</b> - quantity 1	54PFO14S-1/54PFW14S-1/54PFG14S-1/54SDPFO14S-1 54PFO16S-1/54PFW16S-1/54PFG16S-1/54SDPFO16S-1
<b>Door 2 - Right mid door</b> - quantity 1	54PFO14S-2/54PFW14S-2/54PFG14S-2/54SDPFO14S-2 54PFO16S-2/54PFW16S-2/54PFG16S-2/54SDPFO16S-2
<b>Door 3 - Right fixed access door</b> - quantity 1	54PFO14S-3/54PFW14S-3/54PFG14S-3/54SDPFO14S-3 54PFO16S-3/54PFW16S-3/54PFG16S-3/54SDPFO16S-3
<b>Door 4 - Left pivot door</b> - quantity 1	54PFO14S-4/54PFW14S-4/54PFG14S-4/54SDPFO14S-4 54PFO16S-4/54PFW16S-4/54PFG16S-4/54SDPFO16S-4
<b>Door 5 - Left mid door</b> - quantity 1	54PFO14S-5/54PFW14S-5/54PFG14S-5/54SDPFO14S-5 54PFO16S-5/54PFW16S-5/54PFG16S-5/54SDPFO16S-5
<b>Door 6 - Left opening access door</b> - quantity 1	54PFO14S-6/54PFW14S-6/54PFG14S-6/54SDPFO14S-6 54PFO16S-6/54PFW16S-6/54PFG16S-6/54SDPFO16S-6
Door size - 4.2m set = 1987 x 682 x 54mm Door size - 4.8m set = 1987 x 782 x 54mm	
<b>Top frame Head</b> includes aluminium top track - quantity 1	54PFO14S-7/54PFW14S-7/54PFG14S-7/54SDPFO14S-7 54PFO16S-7/54PFW16S-7/54PFG16S-7/54SDPFO16S-7
<b>Sill bottom section</b> includes aluminium bottom track - quantity 1	54PFO14S-8/54PFW14S-8/54PFG14S-8/54SDPFO14S-8 54PFO16S-8/54PFW16S-8/54PFG16S-8/54SDPFO16S-8
<b>Side frame sections (jamb)</b> - quantity 1 Set	54PFO14S-9/54PFW14S-9/54PFG14S-9/54SDPFO14S-9 54PFO16S-9/54PFW16S-9/54PFG16S-9/54SDPFO16S-9

## Hardware E22M3LRSTS

**Top pivot - quantity 2**  
**Top pivot fixing pack - quantity 2 pack**



6402-85  
**Hook bolt keeps -**  
quantity 2

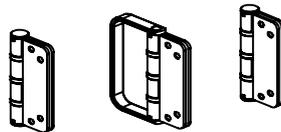


**Bottom pivot - quantity 2**  
**Bottom pivot fixing pack - quantity 2 pack**

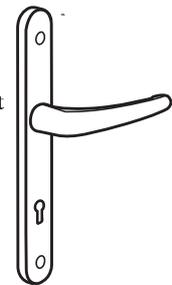
6401-101-85  
**Centre lock keep -**  
quantity 1



**Half offset hinges - quantity 6**  
**Half offset hinges**  
**fixing pack - quantity 2 pack**



1D600  
**Door handles**  
- quantity 1 Set



**Intermediate carrier - quantity 2**  
**Intermediate**  
**fixing pack - quantity 2 packs**



6401-28-85  
**Latch plate -**  
quantity 1



9935-619-85ZV  
**3 Point Bi-fold hook lock**  
quantity 1



**Straight Hinge - Quantity 2**  
**Straight Hinge**  
**fixing packs - quantity 2 packs**



6401-spacer  
**Plastic spacers - quantity 2**



**Intermediate guide - quantity 2**  
**Intermediate guide**  
**fixing pack - quantity 2 packs**



# Contents (2)

Please check the contents of the packages to ensure that all parts are present before beginning assembly.

K71570911(38)

## Installation Bag Contents

**Hardened steel wood screws  
pozi flat countersunk yellow**



- A) M5 x 60mm - quantity 4
- B) M5 x 70mm - quantity 4
- C) M5 x 100mm - quantity 4



DDAK001  
8mm Allen Key - Quantity 1

D) 1/4 Hex pozi No.2 insert bit - quantity 1



FWB16MM  
12mm Flat Wood Bit - quantity 1

E) Hardened steel frame fixings - quantity 22



FWB22MM  
22mm Flat Wood Bit - quantity 1

F) HSS long drill bit 6.5mm x 148mm - quantity 1



IB54NN16S  
Installation Instructions - quantity 1

G) SDS drill bit 6.5mm x 160mm - quantity 1



H) 1/4 Hex T30 insert bit - quantity 1



I) Steel cross recess mushroom head bolt zinc  
M6 x 80mm - quantity 14

J) Steel M6 nuts zinc - quantity 14

K) Hardened steel wood screws  
pozi flat countersunk  
M4 x 40mm - quantity 37



L) Cover caps

- Brown - quantity 10
- White - quantity 10
- Grey - quantity 10



M) A2 Machine screws Philips raised countersunk  
brushed chrome  
M5 x 65mm - quantity 2

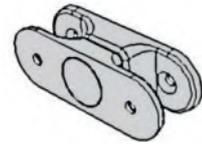


## Optional extras

EWMP

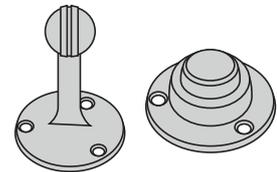
### Magnetic catches

Plastic magnetic door holders  
- quantity 3 sets



DDDS035

Metal door holder  
- quantity 1 set



## Seals

**4.2m**

**4.8m**



Draft seal AQ21

2.3 metres x 4  
4.8 metres x 2

2.3 metres x 4  
4.8 metres x 2

AQ21BLK2.3  
AQ21BLK4.8



Draft seal Brush seal

2.3 metres x 2

2.3 metres x 3

brushseal2.317



Draft seal AQ63

2.0 metres x 8

2.0 metres x 8

AQ63BLK2



Draft seal AQ109

2.0 metres x 2

2.0 metres x 2

AQ109BLK2

## Adhesive Seals

**4.2m**

**4.8m**



QL3116BLK

100mm x 4

100mm x 4



AQ122BLK

100mm x 12

100mm x 12

# For sets with factory pre-finishing

Please see the separate booklet (Home owners manual) with detailed information and maintenance guidelines.

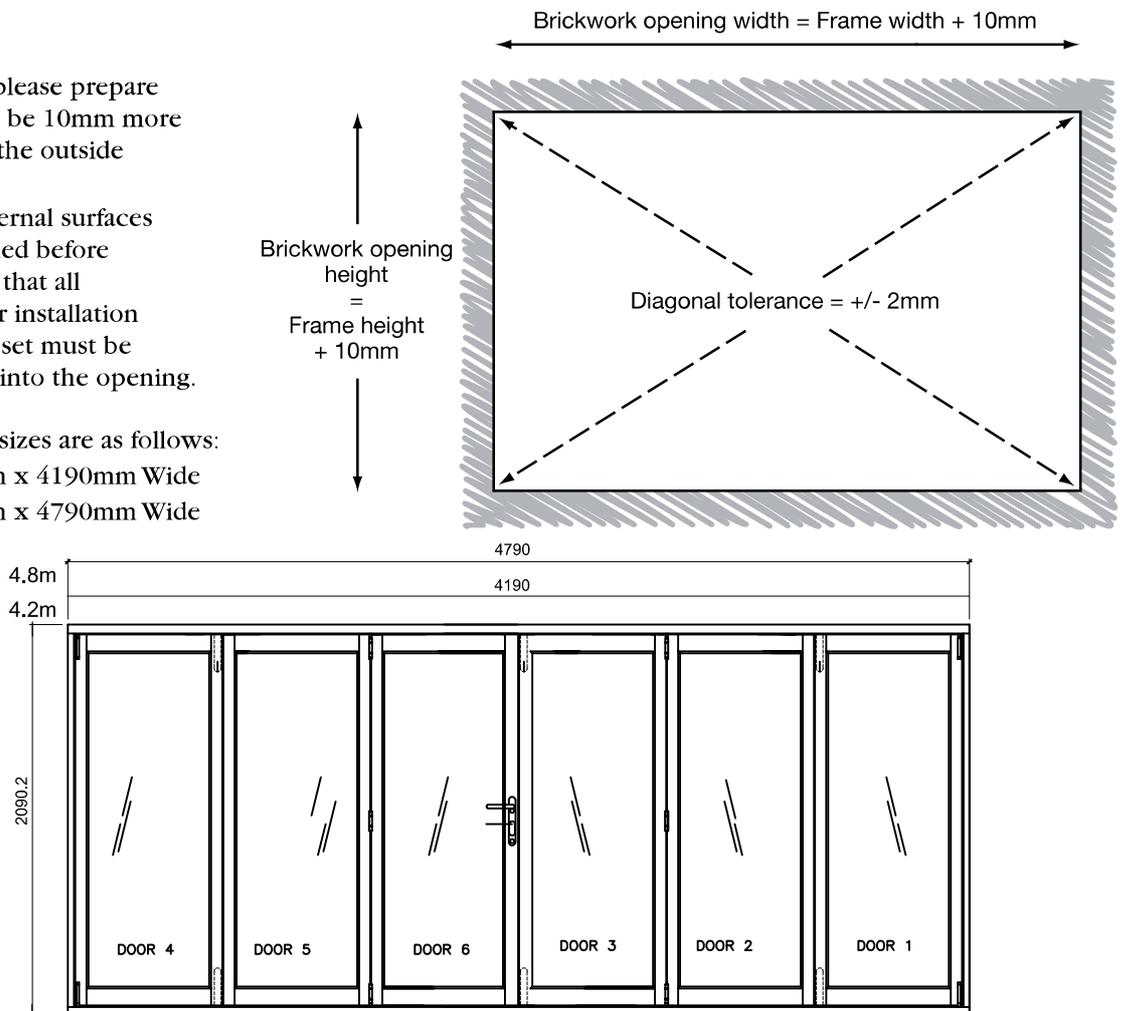
## Preparing the site

### Brickwork opening:

When preparing the site please prepare the brickwork opening to be 10mm more in height and width than the outside assembled frame size.

It is essential that all 4 internal surfaces of the brickwork be levelled before installation. Please ensure that all dimensions are correct for installation before proceeding, as the set must be installed square and level into the opening.

The door set outer frame sizes are as follows:  
4.2m - 14' - 2090.2mm High x 4190mm Wide  
4.8m - 16' - 2090.2mm High x 4790mm Wide



### The brickwork opening sizes are as follows:

4.2m = 4200mm Wide x 2100mm High

4.8m = 4800mm Wide x 2100mm High

# Assembling the frame

**1** Fix right and left frame jambs to the frame head using wood screws provided. 100mm (A) at back, 70mm (B) in centre and 60mm (C) at front and using Pozi No 2 insert bit (D) Apply a bead of silicone sealant to the touching joint surfaces before assembly.

**2** Fix cill to the left and right jambs using the wood screws provided - 100mm (A) at back, 70mm (B) in centre and 60mm (C) at front and using pozi No 2 insert bit (D) Apply a bead of silicone sealant to the touching joint surfaces before assembly.

**Important**  
Flush with edge of cill

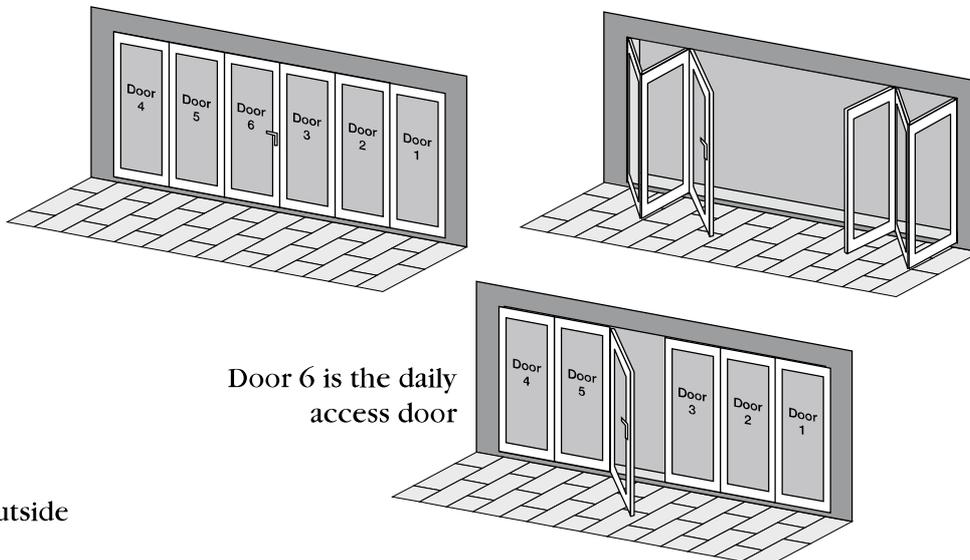
**Important**  
Flush with edge of head

**3** Frame assembled with end plate of cill to outside of jamb.

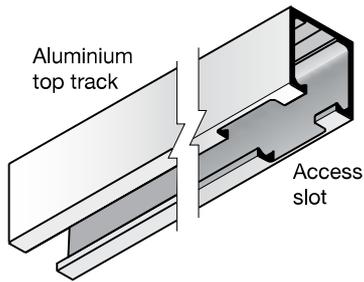
**4** Very Important. Carefully check frame is tightly fixed together and is square. Diagonals of frame must be equal +/- 2mm.  
*Do not proceed with the installation if the frame is not square.*

# Opening arrangement

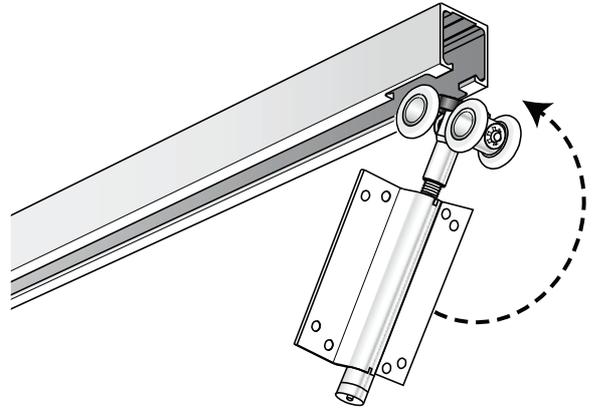
**5** The 4.2m and 4.8m sets open with three doors to the left and three doors to the right. Doors 3 and 6 can be opened like a patio door pair. Door 6 is the daily access door. (The doors always open outwards.)



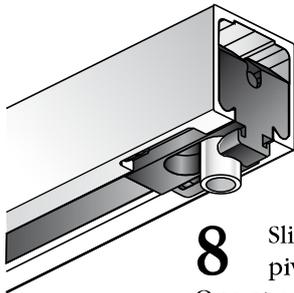
## Assembling the top track



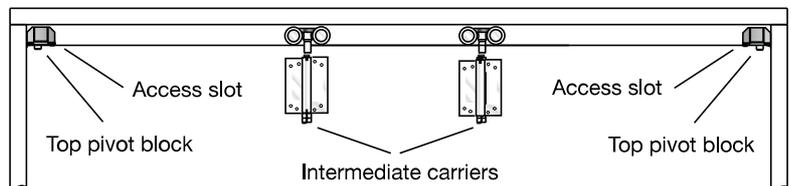
**6** Locate the access slots in the top track



**7** Slide both sets (2) of intermediate carrier wheels into the track.



**8** Slide both plastic top pivots (2) into the track. One at each end.



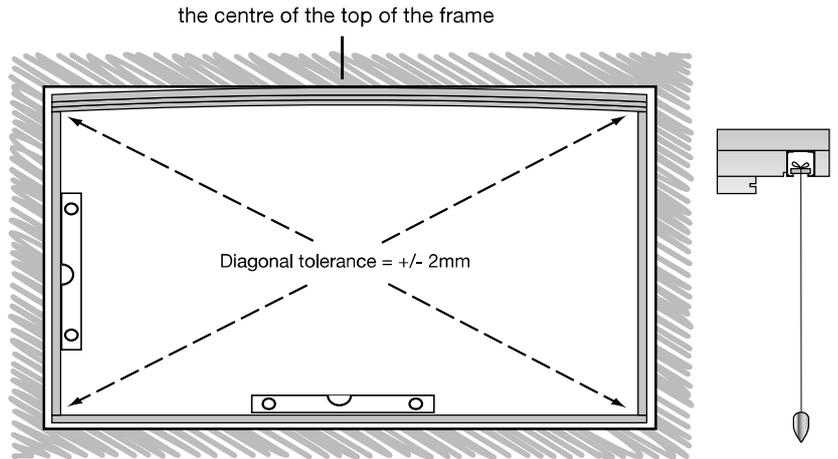
**9** Diagram showing the intermediate carrier and the top pivot blocks locations.

# Installing the assembled frame

Proceed to install the assembled frame ensuring that the sill faces to the outside. **It is critical that the frame is fitted square and level** with tolerances as follows. Ensure the frame is installed straight and square, if necessary use shims (packers) between the frame and the brick opening.

The diagonals must be the same, +/- 2mm.

We recommend that the top centre of the frame is bowed upwards by 3mm. This can be achieved by fixing 3mm shims at the top of both jambs and then fixing the center of the top of the frame securely to the lintel. **Important: The head section of the frame must not sag.**

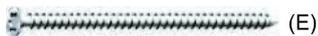


**10** Fix the outer frame into the brickwork, normally installed 5-10mm back from the outer face of the brickwork, setting it to overhang the cavity if possible.

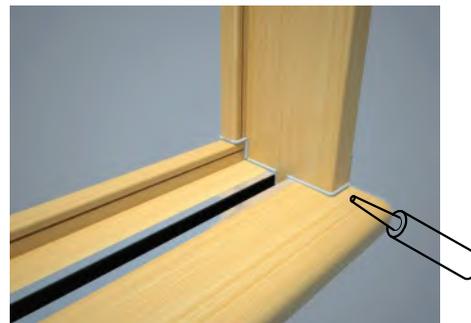
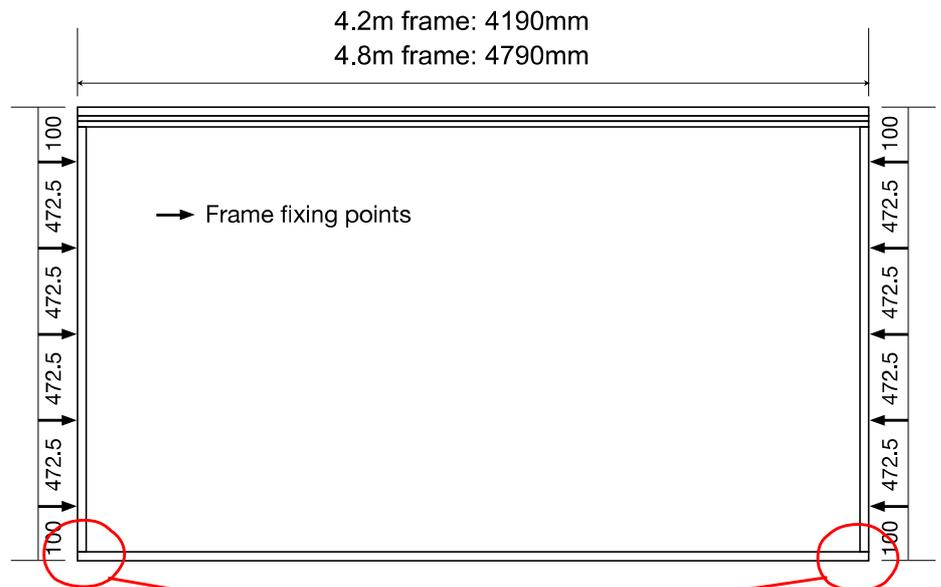
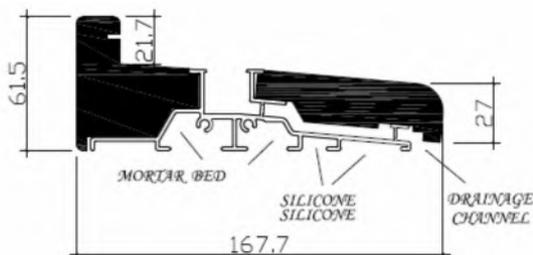
Fix through the outer frame into the brickwork through both jambs, with 5 fixings at spacing shown using the direct frame fixings (E) provided (unless the construction of your building requires more appropriate fixings to suit the individual dwelling). Countersink holes in the frame.

Use the direct frame fixings (E) as follows:

- 1) Use the 6.5mm HSS drill (F) to drill holes in the frame jambs, aluminium track and steel.
- 2) Use the 6.5mm SDS masonry drill (G) to drill into brickwork.
- 3) Use the torx 1/4 hex T30 bit (H) to screw in the direct frame fixings (E).
- 4) Cover using white, brown or grey cover ups (L).



**Do not fix through the aluminium part of the sill as this may damage the drainage system.**



## IMPORTANT NOTE

After the frame is installed, Silicone Seal around the base of the frame jamb/Cill joint as shown in the drawing

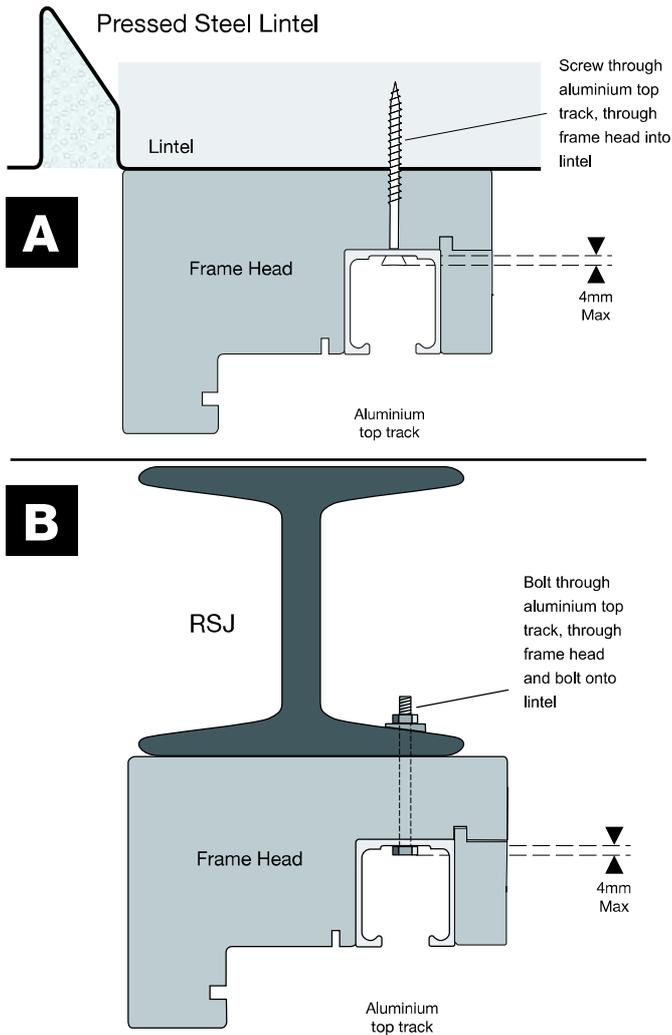
## Important information about direct frame fixings

The direct frame fixings (E) supplied will screw directly into brickwork and up to 2.5mm thickness of steel. It is essential to use the 6.5mm drills (F) & (G) and torx hex T30 bit (H) provided to ensure a secure fixing.



# Installing the assembled frame *continued*

**HIGH IMPORTANCE:** The Set is 'Top Hung, so it is vitally important to fix through the top track and frame head into the Lintel (11a and b)



**11** The aluminium top track, which is temporarily held in place with transit screws, has been pre-drilled for fixing points to the lintel. The aluminium track must be securely fixed, through the head of the frame, into the lintel using either the direct frame fixings (E) or nuts, bolts and washers (I) & (J) provided.

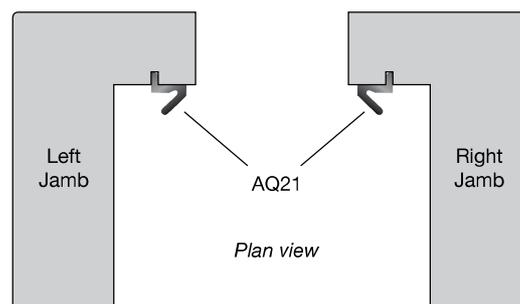
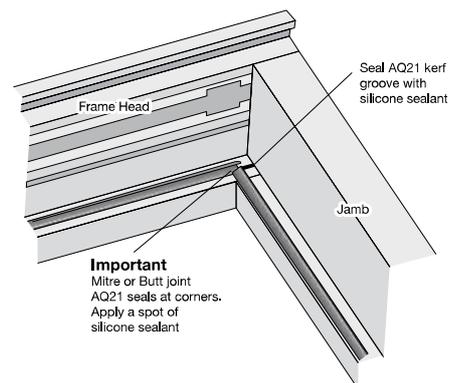
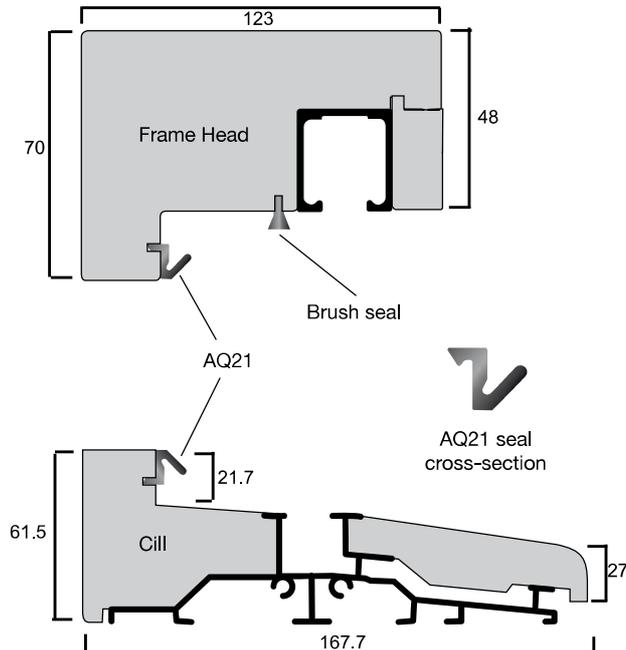
**A** Use the direct frame fixings (E) as follows:  
 1) Locate the pre-drilled holes in the aluminium top track.  
 2) Remove the transportation screws from track.  
 3) Use the 6.5mm HSS drill (F) to drill through the pre-drilled holes, through timber frame head and into the pressed steel lintel.  
 4) Use the 6.5mm SDS masonry drill (G) to drill through the same holes into brickwork above the lintel.  
 5) Use the torx 1/4 hex T30 bit (H) to screw in the direct frame fixings (E).

**B** Use the nuts, bolts and washers (I) & (J) as follows:  
 1) Locate the pre-drilled holes in the aluminium top track.  
 2) Remove the transportation screws from track.  
 3) Use the 6.5mm HSS drill (F) to drill through pre-drilled holes, through the timber frame head and through the RSJ.  
 4) Use the nuts, bolts and washers (I) & (J) provided to fix the track and frame head to the RSJ.

**IMPORTANT:** We strongly recommend 'B' type fixing to an RSJ. If using 'A' type fixing to pressed steel lintel, ensure the lintel can support the weight of the set (6ft, 7ft, 8ft & 9ft only.) Fixings must fix through the aluminium track, frame head and lintel. (The folding sliding system is 'top hung' so all the weight is supported from the lintel, hence the importance of fixing into the lintel, to enable the system to work correctly.)

## Fitting the seals to the frame

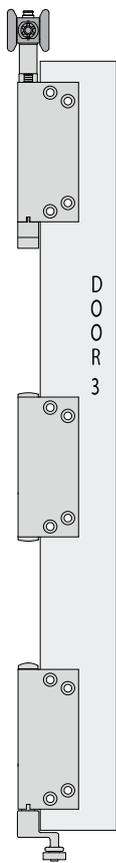
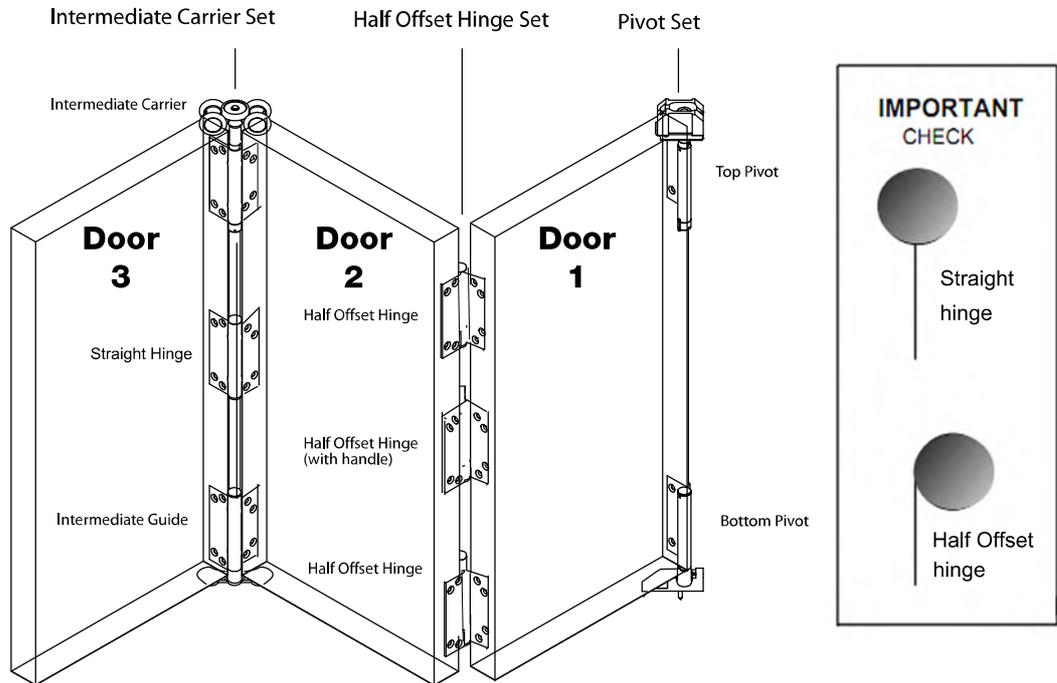
**12** Once the frame is fixed into place, fit the weather seals (AQ21) to the frame and the brush seal into the frame head.



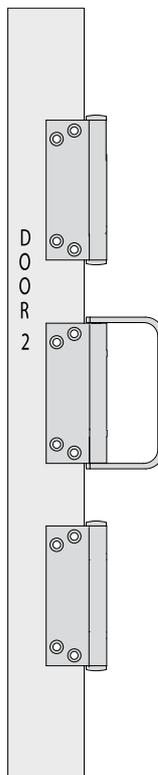
# Overview of door and hardware arrangement

13a

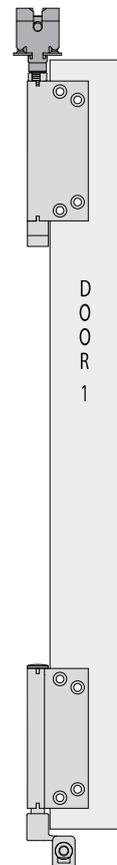
Arrangement **A** for 3 Right opening doors of set



Intermediate hinges



Half Offset Hinges



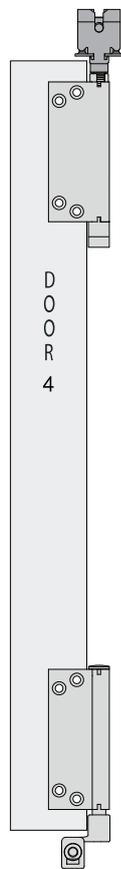
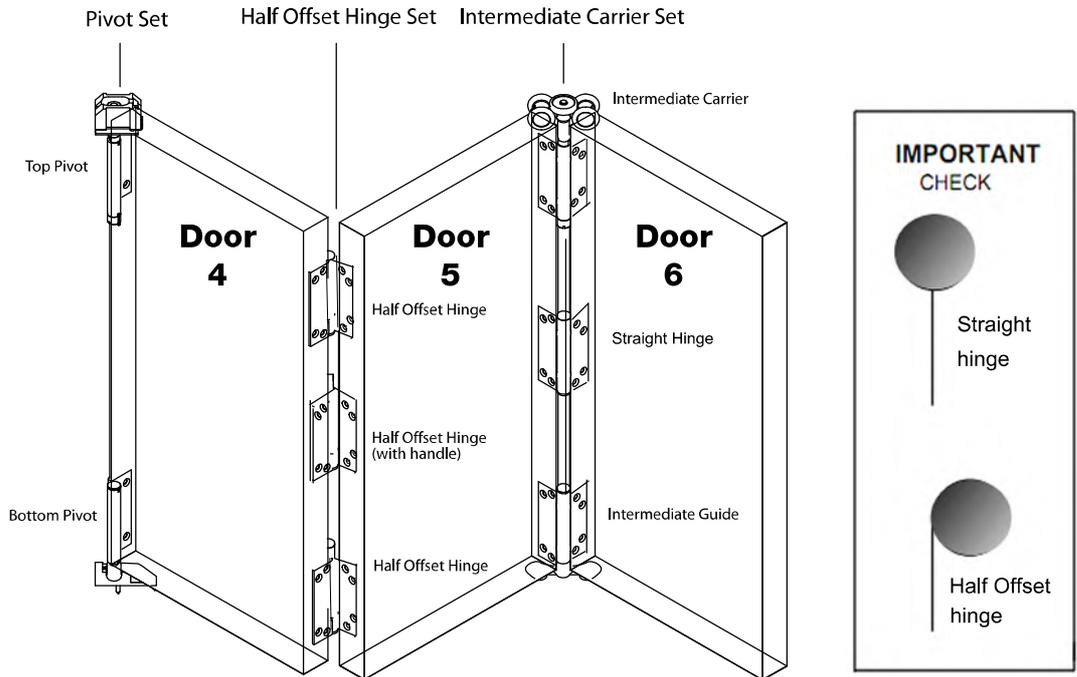
Pivot Hinges

Note: Pivots are reversible. For this option 'A' it is necessary to take the top and bottom pivots apart to reverse them - see 16

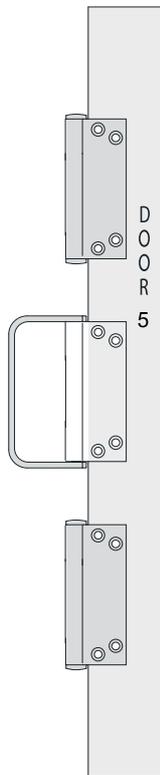
# Overview of door and hardware arrangement

13b

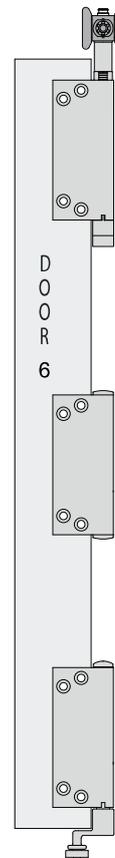
Arrangement **B** for 3 Left opening doors of set



Pivot Hinges



Half Offset Hinges



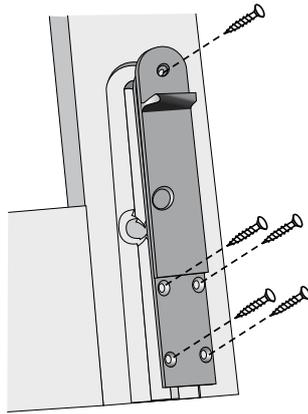
Intermediate hinges

Note: Pivots are reversible. The pivots are delivered set up for this option 'B' - Use without change.

## Fitting the dropbolts

**14** Fit the keyed drop bolts to the bottom of door 1, door 3 and door 4 using the pre-cut positions.

Fit the non-keyed drop bolts to the top of door 1, door 3 and door 4 using the pre-cut positions.



**15** Fit the keyed drop bolt cups to the cill in the pre-cut positions.

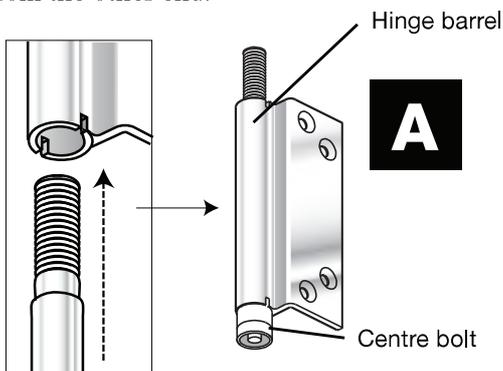
Fit the non-keyed drop bolt striker plates to the frame head in the pre-cut positions.



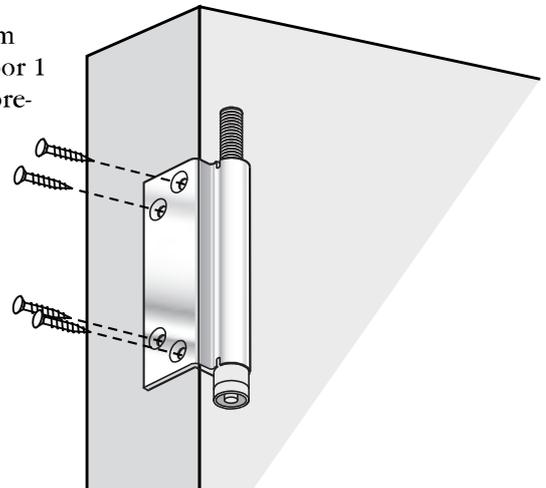
## Fitting the right pivot door (door 1)

Before fitting door 1 thoroughly clean the top and bottom tracks

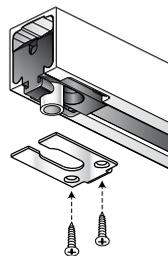
**16** Reversing top pivot - Applicable to option **A** only. Carefully remove centre bolt from hinge barrel then re-insert from the other end.



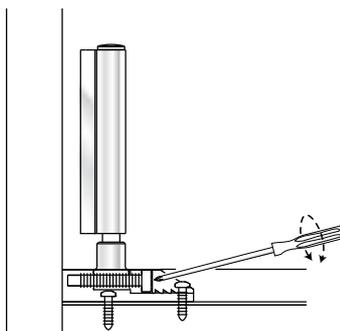
**17** Fix top and bottom pivot hinges to door 1 using screws supplied in pre-machined positions.



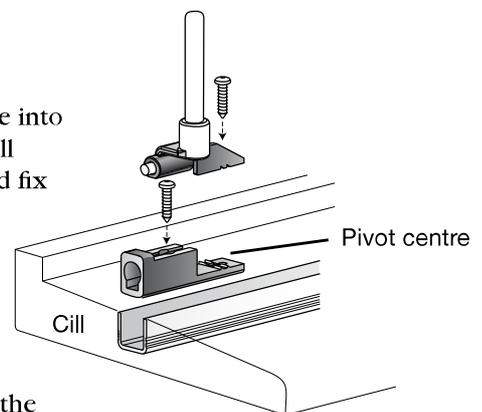
**18** Assemble top pivot block. Slide and click cover plate onto the pivot block. Screw through cover plate into rear of access slot ensuring the pivot block is sitting tight up against the frame jamb.



**19** Remove centre part of bottom pivot

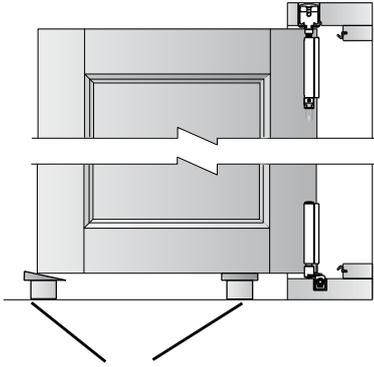


**20** Insert pivot base into cill channel. Drill pilot hole in channel and fix with self-tapping screw. Re-assemble centre part with pivot to **outside**. Drill second pilot hole and fix with self-tapping screw through complete unit ensuring the pivot block is sitting tight up against the frame jamb.



## Fitting the right pivot door (door 1) *continued*

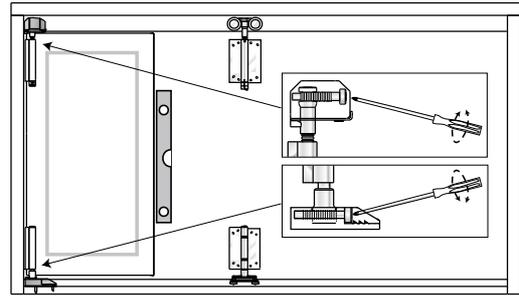
- 21** Lift door onto bottom pivot. Support door then screw top pivot centre bolt into pivot block until door swings freely.



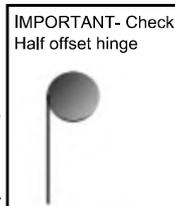
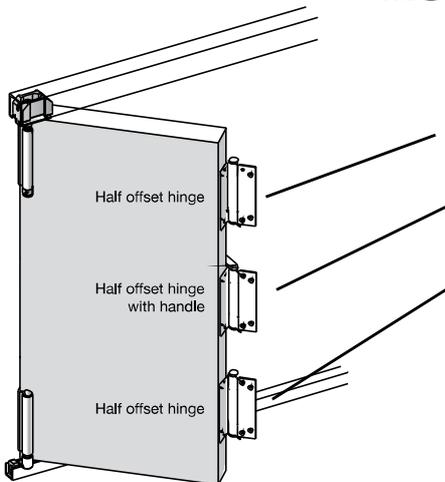
Temporary supports

**Note:**  
Screwing top pivot bolt in and out adjusts height.

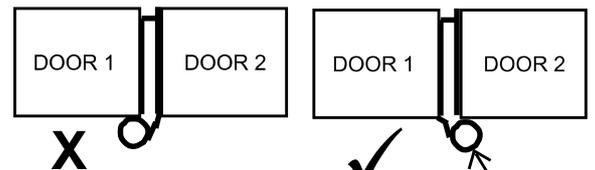
- 22** Adjust alignment of pivot door as shown. Leave a 7mm gap between the door edge and the frame jamb.



- 23** Fit the half offset hinges to the inside edge of door 1. Fix through small centre part of hinges using the Torx head screws provided in the pre-drilled holes.



**NOTE:** Hinge barrels and centre hinge handle to inside.



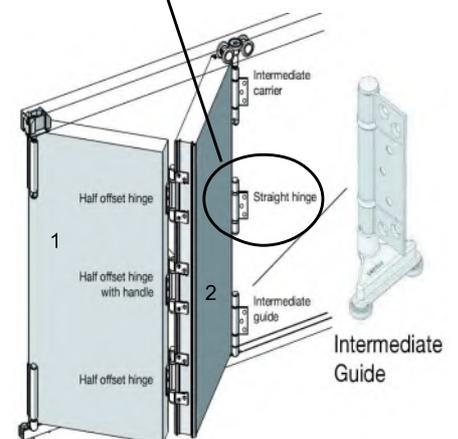
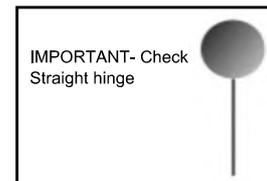
**VERY IMPORTANT**  
Offset Hinge Barrel must be on Door 2

## Fitting the right mid door (door 2)

- 24** Fix the Intermediate Carrier Set to Door 2 only, using the machined hinge positions and screws provided.

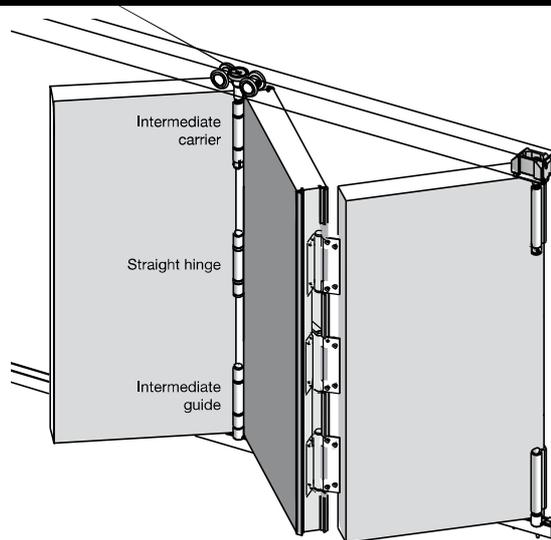
- 25** Lift door 2 and locate intermediate guide in bottom channel. Support door on blocks then screw top carrier bolt into top wheel assembly.

Finally fix door 1 and 2 together using the half offset hinges fitted into the machined positions.  
**Note:** Handle to inside and Glazing bead side of the door to the inside.



## Fitting right fixed access door (door 3)

- 26** Attach door 3 to the Intermediate Carrier and Intermediate Guide in the pre-machined positions using the screws provided. Use the Straight Hinge in the central position.



Drawings in this section show the arrangement of parts for Opening Option **A**

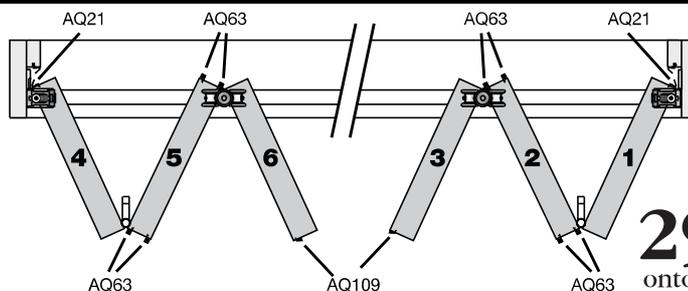
## Fitting the left opening three doors of the set

- 27** Repeat steps 17 to 26 to fit the left opening three doors of the set - Left pivot hinge door (Door 4), Left mid door (Door 5) and Left opening access door (Door 6)

## Fitting the weather seals to the doors

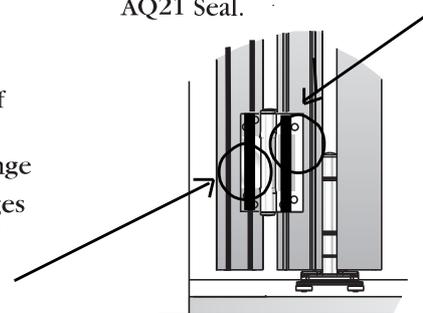
- 28** Fit weather seals to doors as follows:

- 1 strip type AQ21 to doors 1&4
- 4 strips type AQ63 to doors 2&5
- 1 strip type AQ109 to door 3
- 1 strip type AQ109 to door 6



- 29a** Stick the 2pc self adhesive seals QL3116BLK onto the top and bottom pivot hinge plate in line with the AQ21 Seal.

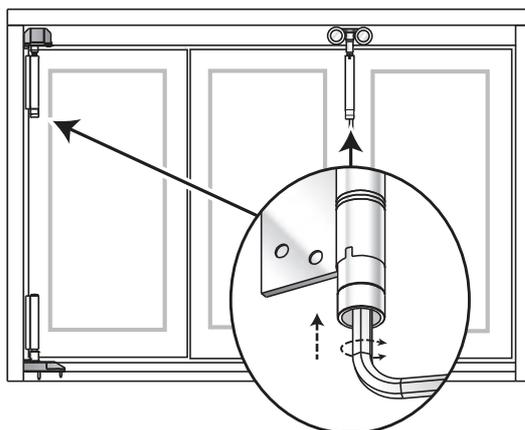
- 29b** Stick the 6pc self adhesive seals AQ122BLK onto the hinge plates of the Half offset hinges and intermediate carrier and guide, in line with the AQ63 Seal.



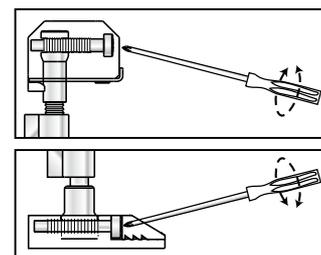
## Adjusting the operation of the doors

- 30** Raise or lower the height of the doors by adjusting the top pivot on doors 1 and 4, and the intermediate carrier between doors 2/3 and 5/6.

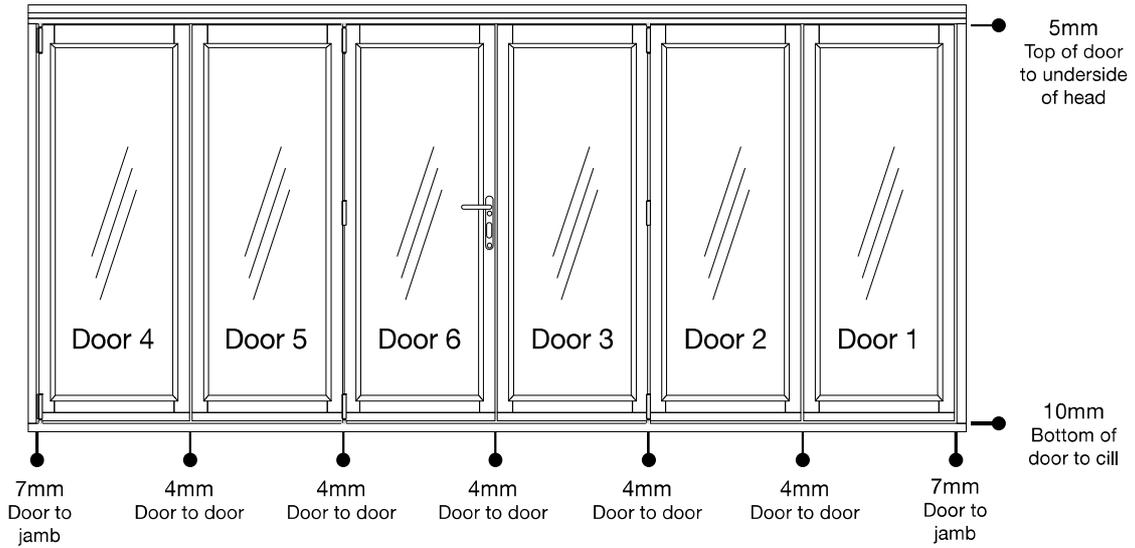
Insert the Allen Key provided then turn clockwise to raise and anti clockwise to lower the doors.



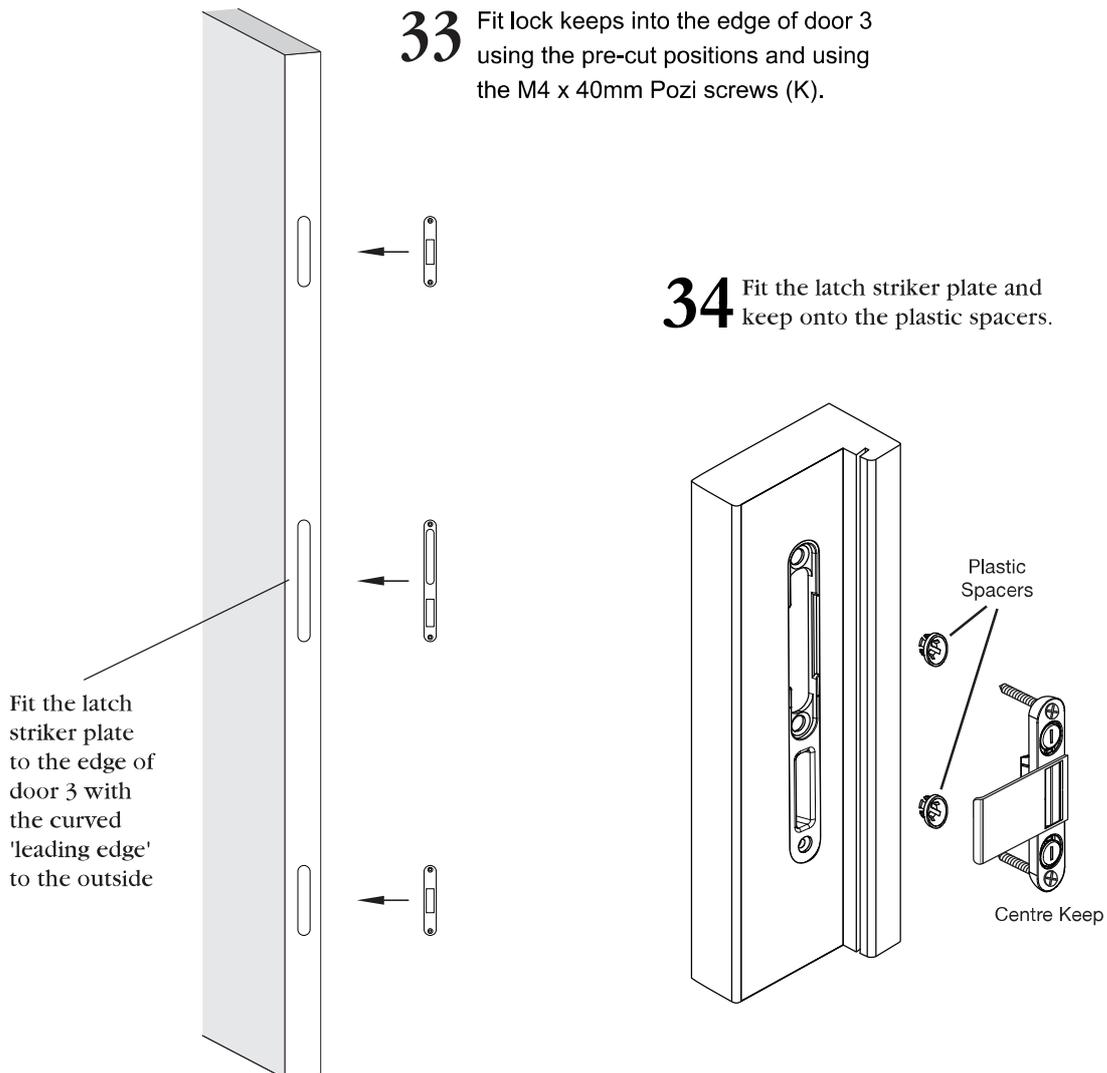
- 31** Adjust the top and bottom pivots to move the doors left or right.



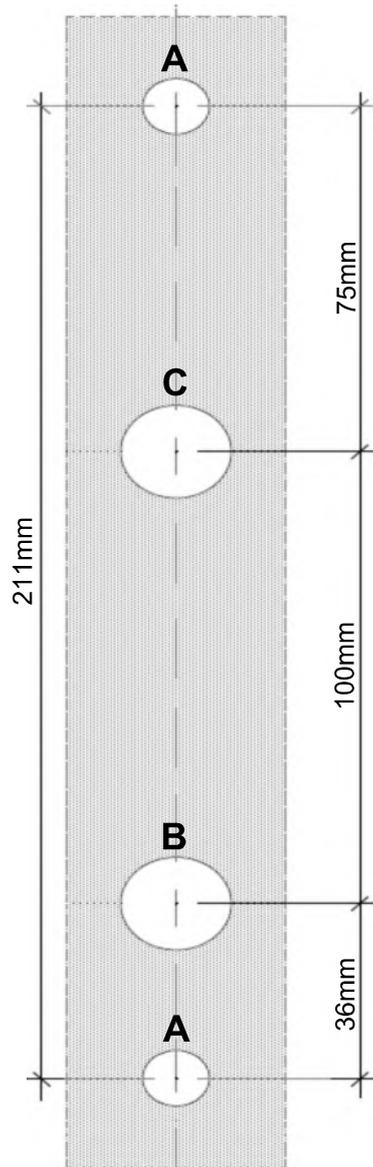
## Correct spacing for final adjustment



## Fitting the lock and handle



## Fitting the lock and handle *continued*



Handle & Lock Preparation

**35a** Carefully measure and mark out the centre points for both the 2 x Handle Screw Holes (A) and the 1 x Key Hole (B) on both faces of the door.

Your Spindle Hole (C) will be pre-machined.

Drill the 2 x Handle Screw Hole locations (A) using the 12mm flat wood bit, and drill the 1 x Key Hole Location (B) using the 22mm flat wood bit provided.

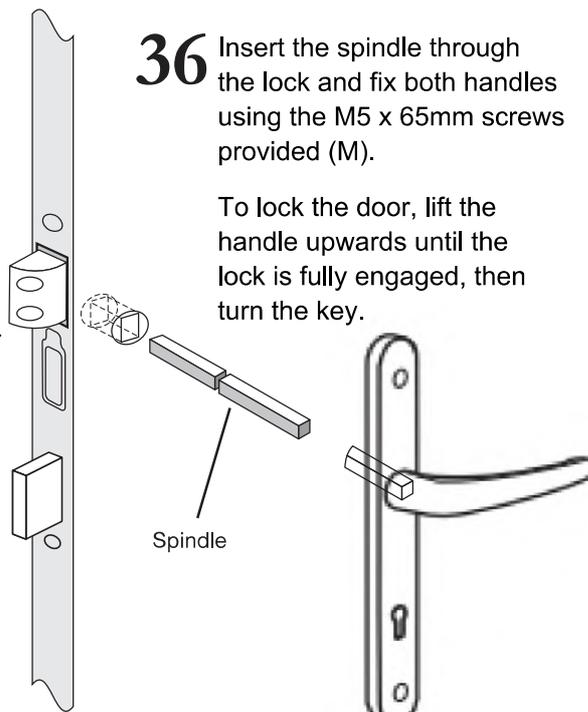
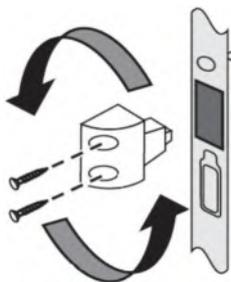
**IMPORTANT:** Ensure you enter into the door from both faces. Do not drill all the way through the door from one side and do not exit through the face of the door.

**35b** Fit the lock into door 6 and secure with the M4 x 40mm Pozi screws provided (K). (The key hole is always at the bottom)

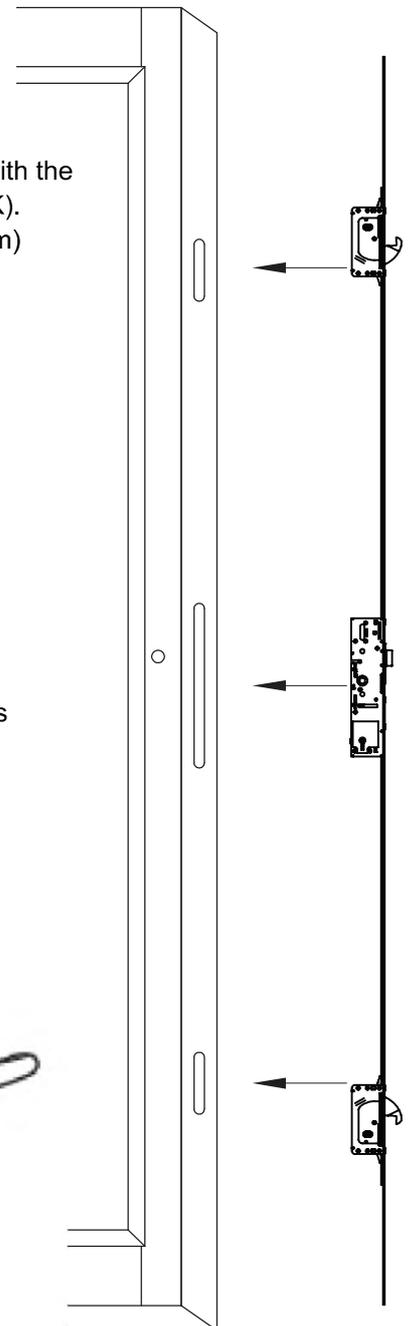
**36** Insert the spindle through the lock and fix both handles using the M5 x 65mm screws provided (M).

To lock the door, lift the handle upwards until the lock is fully engaged, then turn the key.

The latch should be set for right opening. For left opening remove the 2 latch screws and reverse.



Spindle

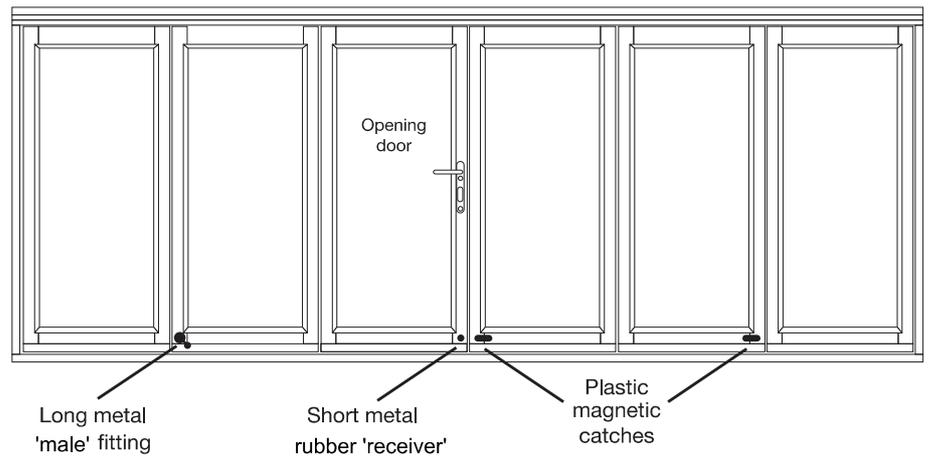


# Fitting the magnetic catches to the doors

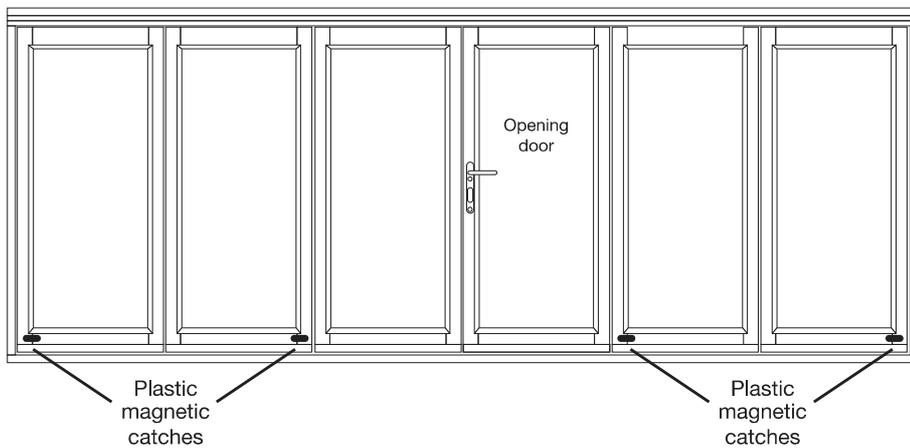
## OPTIONAL EXTRAS

**37** Fit the Door Stop and magnetic catches in the positions shown using the fixings provided.

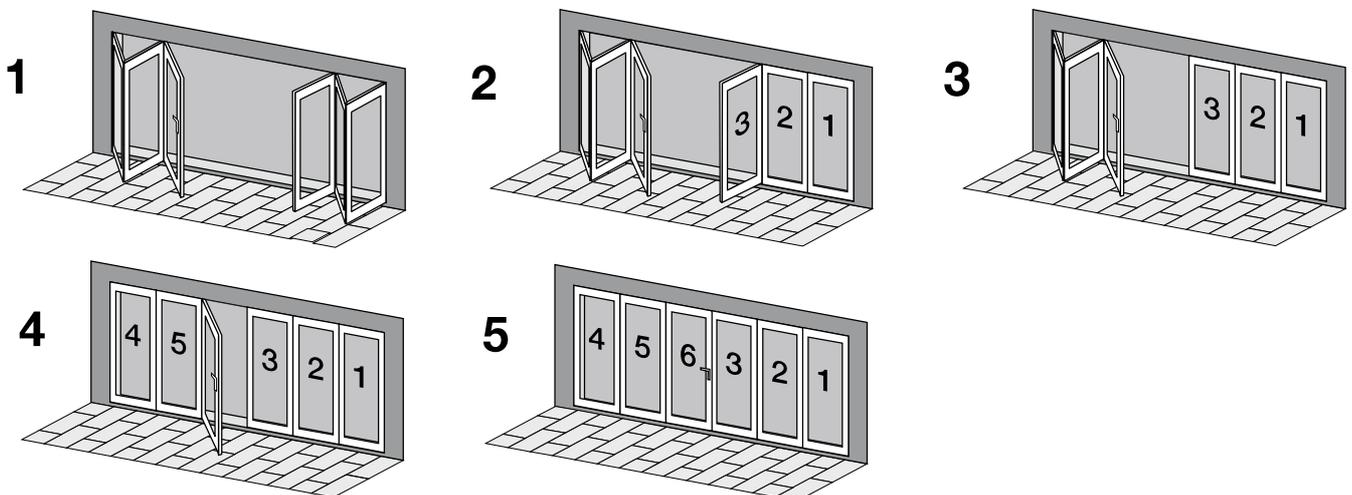
From outside, looking in



From inside, looking out



**38** When closing the right door set, first close doors 1 and 2, securing them with the dropbolts. Then close door 3. When closing the left door set, first close doors 4 & 5, securing them with the dropbolt. Finally, close and lock door 6.





Macclesfield, Cheshire SK10 2BN

## DECLARATION OF CONFORMANCE

DoC N°: JCI/FSD54S

<b>Product Type:</b>	54 Range - Timber Folding Sliding Door
<b>Intended Use:</b>	For use in domestic and commercial premises Not intended for use on escape route
<b>Declared System of Assessment Performance:</b>	3
<b>Provisions to which the Product Conforms:</b>	Annex ZA of EN 14351-1:2006+A2:2016
<b>Reference to Supporting Product Certification and/or Test Reports</b> <i>(supportive of compliance):</i>	Build Check Ltd - Weather Tightness Report W5089-1 Build Check Ltd - Thermal Performance Report CU21182-1 Rev1

### Declared Performance:

#### Essential Characteristics

	Performance
Resistance to Wind Load:	Class A2 (800Pa)
Watertightness:	Class 2A (50Pa)
Dangerous Substance:	No emissions of dangerous substances emitted
Load Bearing Capacity of Safety Device:	Npd
Acoustic Performance	Npd
Thermal Transmittance:	1.4w/(m <sup>2</sup> K)
Radiation Properties:	Npd
Air Permeability:	Class 4 (600Pa)

This declaration of performance is issued under the sole responsibility of JCI Limited.

Signed for and on behalf of the Company by

**Name of Representative:** John Collins

**Job Title:** Managing Director

**Representative Signature:**

**Date of Issue:** 12<sup>th</sup> May 2015

**Product CE Marking Detail:**

