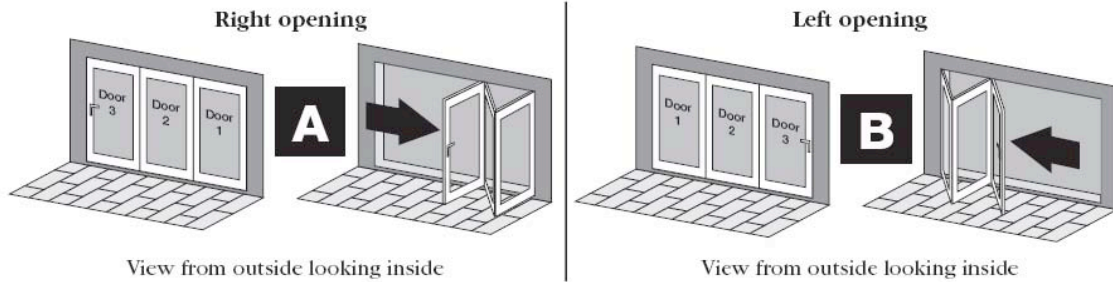




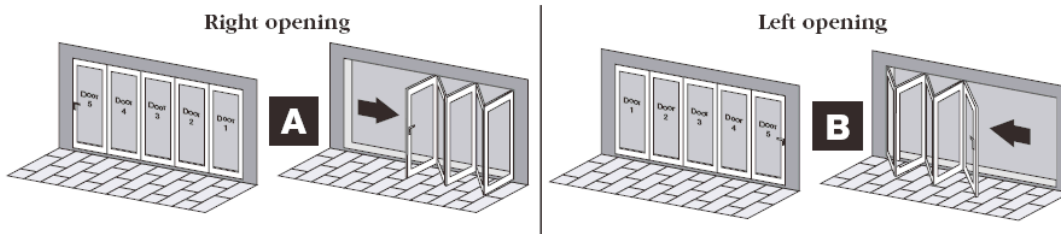
VUFOLD is a Folding/Sliding Patio Door Set.

- The current models stocked by LPD have 3, 4 or 5 doors, which open, slide and fold to *the outside* of the property.
- They are currently available in ‘Engineered White Oak’ construction (6ft approx; 8ft approx; 10’ approx & 12’ approx. sets).
- The doors can slide to *the left or the right* from the same set, depending on how it is installed.

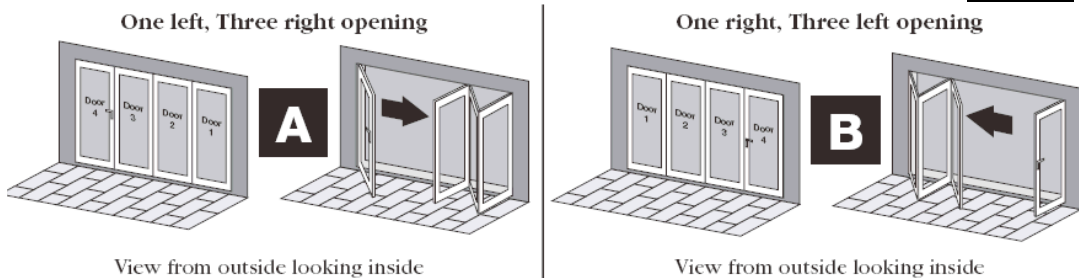
6’ & 8’ Set



12’ Set



10’ Set

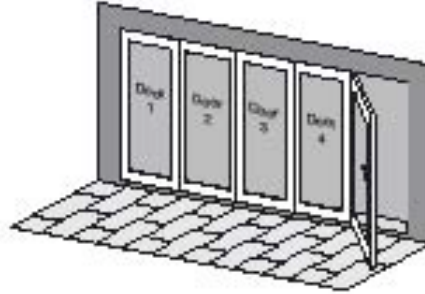


Door 3 of the 6' & 8' sets and door 5 of the 12' set opens and closes like a normal hinged door to permit easy everyday access to & from the property.

6' & 8' Set



12' Set



Doors 3 & 4 of the 10' set open in a French Door formation with door 4 hinged on the frame so that when door 3 is secured, it acts like a normal hinged access door.

10' Set



What sizes are VUFOLD sets available in?

LPD currently stock 6ft; 8ft; 10ft & 12ft (nominal) sets.

The actual assembled outer frame sizes are:

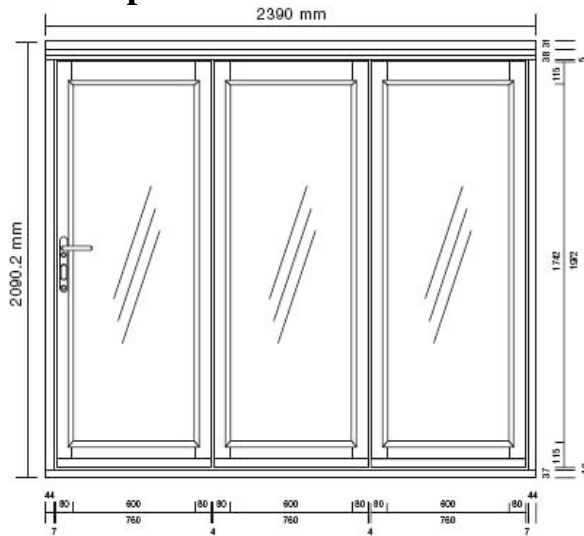
6' version = 1790mm Wide x 2090mm High

8' version = 2390mm Wide x 2090mm High

10' version = 2990mm Wide x 2090mm High

12' version = 3590mm Wide x 2090mm High

An example of an 8ft set:



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 are levelled *before* installation. Ensure all dimensions are correct for installation *before* proceeding, as the set must be installed square and level into the opening.

What is included in a VUFOLD set?

- 3, 4 or 5 doors (supplied in separate shrink wrapped packs)
- Wood Frame set including the sill – this Carton pack includes the track fitted temporarily in the top section of the frame and the combination aluminium and wood sill with track fitted in the bottom of the frame. The frame has to be assembled on site.
- A Hardware Carton pack including:
 - The folding hardware
 - The handles and lock
 - The weather seals
 - A fitting pack which includes:
 - Frame fixing screws
 - HSS wood drill
 - SDS extended length Masonry drill
 - Tork bit

What are the VUFOLD sets made from?

- VUFOLD doors and frames are manufactured using the very latest in engineered wood technology to ensure greater stability, and minimising the likelihood of bowing or twisting.
- VUFOLD doors and frames sections are manufactured using a hardwood core, comprising strips of hardwood timber jointed in length and glue laminated in width. Solid Oak edge lippings are glue laminated to the hardwood core and then the surface material comprising 3mm slices of Solid Oak is applied.
- The 3mm Oak slices are LVL (Laminated Veneer Lumber) which compared to normal veneers (thickness 0.6mm -1.0mm) are much more substantial.
- The doors are 54mm thick for improved thermal performance.
- Each of the doors has a solid Oak raised moulding one side around the glass and this moulding is to the outer side of the door facing exposed to the exterior.

NB - VUFOLD sets are typically supplied as unfinished and must be treated prior to installation

What tests have the VUFOLD sets been subjected to?

VUFOLD sets have been independently tested by industry recognised Chiltern Testing Laboratories, and achieved the following standards/accreditations.

- **BS6375 Part 1** ~ a weather test which covers:
 - Air permeability
 - Water tightness
 - Wind resistance
 - Exposure
- **Part L Compliance** ~ for thermal rating.

This is a test introduced by the Government to ensure, especially in the new build sector, only the use of products, that minimise heat loss from the property, in order to reduce the amount of daily wasted energy and in turn help to protect the environment.

VUFOLD sets passed this test with a rating of 1.9 W/M² K. Anything below a 2.0 W/M² K rating is regarded in the industry as a “very good” rating. However the new Part L Compliance in buildings is a calculation based on the entire home (external exposed areas such as walls, roof, doors) and not a calculation based on the individual product.

In addition all VUFOLD sets are supplied with High Performance Weather Seals to fit around the doors and frame.

When and how should the VUFOLD sets be pre-finished?

It is imperative that the doors and frame sections are pre-finished *before* assembly or installation. Once the doors and frames are installed it is impossible to finish the top and bottom edges and certain other sections of the doors and frame, as the hardware will not allow room for the brush to penetrate these areas.

Finishing with a ‘Branded’ micro porous wood stain or paint, suitable for external applications, such as Sikken or Sadolin is strongly recommended.

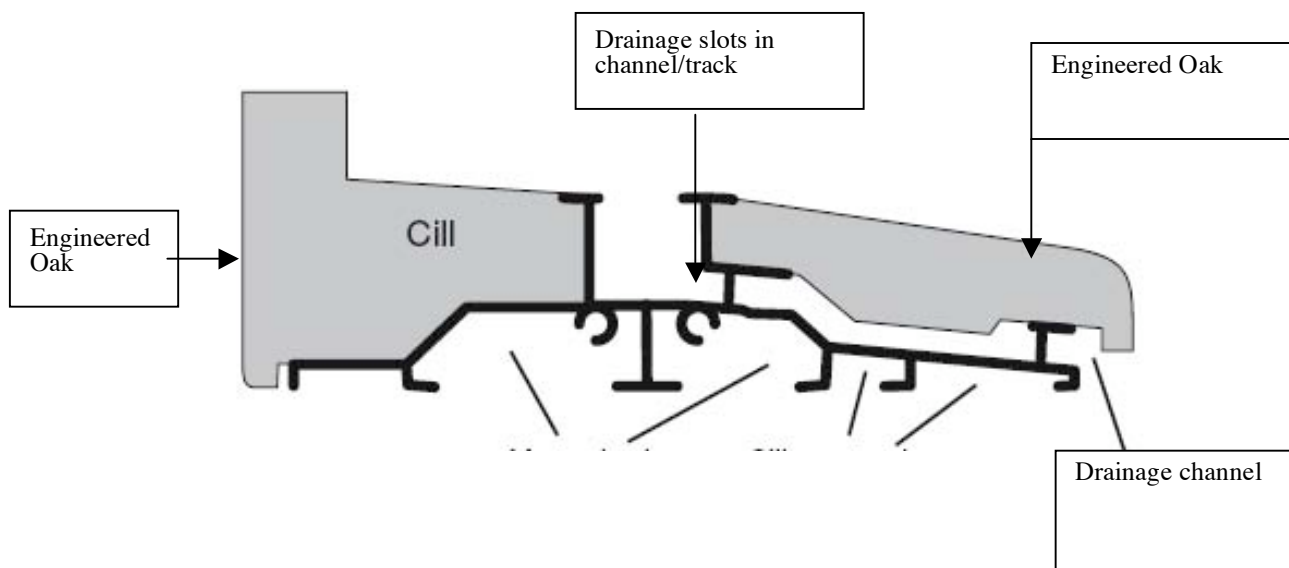
How are the VUFOLD sets factory glazed?

- Each VUFOLD door is fitted with a 24mm thick double glazed unit. These units incorporate Low E glass for optimum thermal performance. The glass is tempered or toughened in accordance with **BS 6206 Part A**.
- Each double glazed unit has a small screen-printed logo/description at the bottom stating: VUFOLD - Low E Glass - Tempered to BS6206A. This marking is visible for any site inspector to see.
- The double glazed units are inserted into the doors using ‘Double sided Tremco security tape’ instead of mastic, making removal of the glass by burglars or intruders extremely difficult.

Do the VUFOLD sets have drainage?

Yes the VUFOLD sets have very good drainage.

The VUFOLD sill is a unique design blending the aesthetics of Oak, with the function ability of Aluminium. The sill is designed for the water to enter through the drainage slots in the bottom channel/track and run out at the underside of the sill. The sill was designed specifically to allow good drainage and this was a key point in our weather test results.

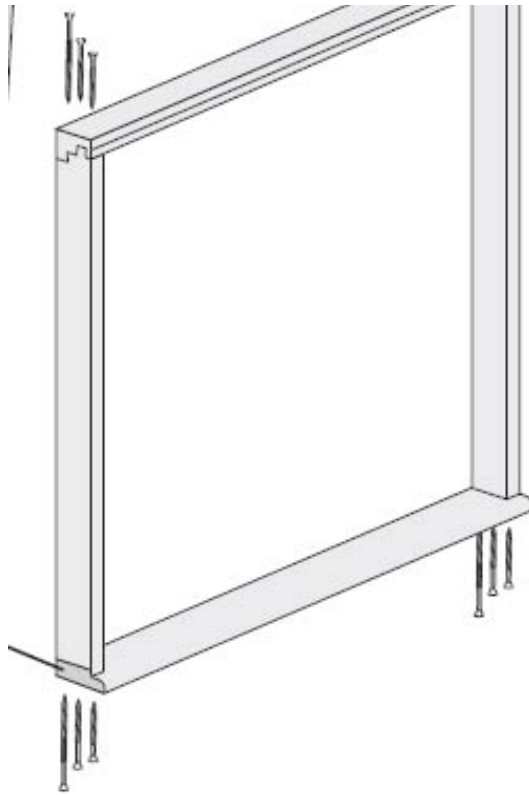


How easy is installation and assembly of the VUFOLD sets?

'For Easier Installation' all VUFOLD doors and frames are mainly pre-machined to receive the Folding/Sliding Hardware, Weather Seals and Locks.

To allow the sets to be 'fully reversible' [i.e. open L to R or R to L] this was unable to be 100% effected.

The Frame Head, Jambs and Sill fix together with just 3 screws at each of the 4 corner joints, using the pre-drilled holes in the Frame Head and Sill.



NB - Each set contains comprehensive Assembly Instructions.

How do the VUFOLD sets fit into the brickwork?

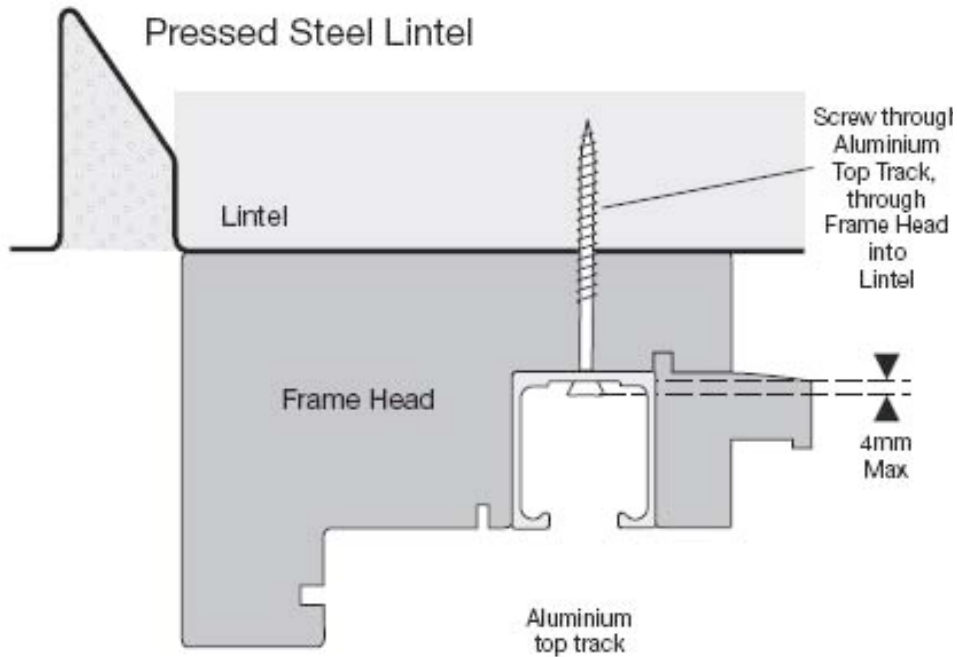
For full detail, refer to the relevant pages in the Assembly Instructions.

The VUFOLD system is a '*top hung*' system.

This means the doors are hung from the top track using the special hardware and just "glide" along the bottom track. This is the preferred method for 95% of the UK market.

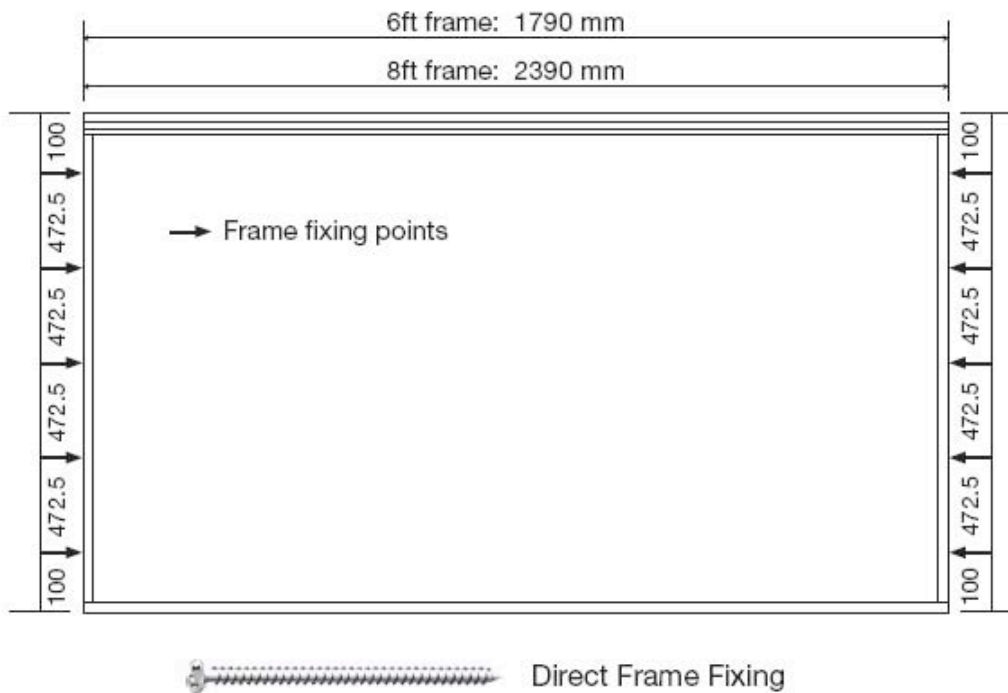
'Bottom hung' systems (the weight of the doors is on the bottom track) have a tendency to clog up with dirt which invariably restricts movement.

Because the VUFOLD system is '*top hung*' it is crucial that the top of the frame is well fixed to the lintel or secured through the lintel and into the brickwork above using the fixings provided.



NB - For guidance on other types of Lintels refer to the Assembly Instructions

Fixings to fit the sides of the frame to the sidewalls are also provided.



Use the Direct Frame Fixings as follows:

1. use the 6.5mm HSS drill (supplied) to drill holes in the frame Jamb, aluminium track and steel
2. use the 6.5mm SDS masonry drill (supplied) to drill into the brickwork
3. use the Torx T30 bit (supplied) to screw in the direct frame fixings

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

NB - For fixing into RSJ/I Lintel use nuts and bolts (not supplied). DO NOT use direct frame fixings.

What type of locks and handles should be used for VUFOLD?

For full detail, refer to the relevant pages in the Assembly Instructions.

The VUFOLD sets are supplied with a 3-point security locking system, complete with Euro Cylinder, Keeps and a pair of Chrome Handles.

The handles and lock fit to Door 3 - the “daily access” door.

The Handles are tested to the following standards:

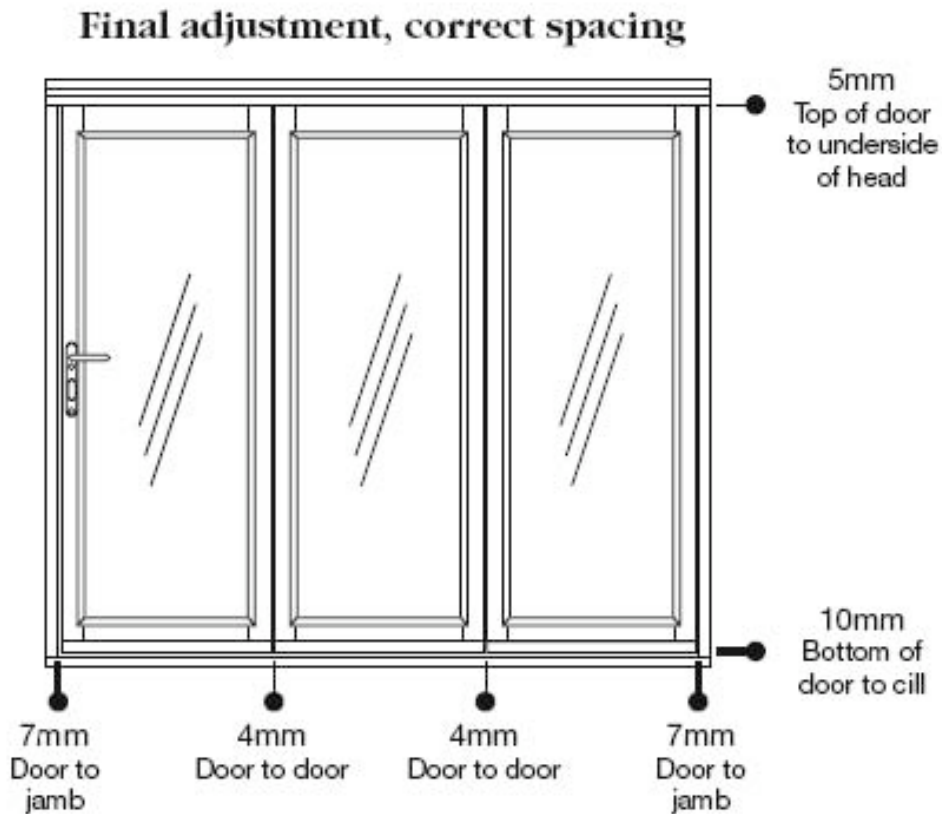
- Manufactured in accordance with BS EN ISO 9001: 2000 Quality Assurance System
- BS EN ISO 14001: 1996 – Environment Management System
- Meets the requirements of BS EN 1670: 1998 Grade 4
- Tested to 100,000 cycles

The Multi Point Lock has been tested to the following standards:

- Meets the requirements of PAS 23 / 24
- Manufactured in accordance with BS EN ISO 9001: 2000 Quality Assurance System
- BS EN ISO 14001: 1996 – Environment Management System
- Meets the requirements of BS EN 1670: 1998
- Tested to 100,000 cycles

I have a large space between the door and frame?

The correct spacing between the doors and door to frame when fitted should be as follows:



Why are there red and blue dots on certain doors?

These are the two doors that could not be pre-machined in the factory and still continue to facilitate optional left or right opening.

Instead red and blue dots have been applied as a “guide” to show roughly, *but not accurately or definitively*, where the holes should be drilled.

NB - The accurate drill hole positions are shown in the instructions separately and must be used – example below:

