

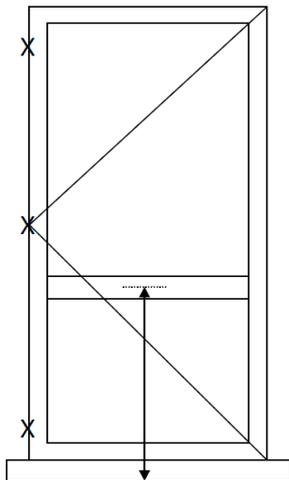
Welcome to the product training

Section 2 – Doors

1. Composite doors

Composite doors are made by hanging a special composite door slab directly into a PVC outer frame. They closely match traditional wooden doors

2. PVC doors (Panelled or glass)



These doors are made to be glazed or have a panel fitted (either full or half panel)

Opening and hinging

Always indicate which side the door should be hinged (outside view)

Also indicate if the door is “opening out” or “opening in”. Care should be taken on inward opening doors to ensure the door has clearance to open at the bottom

The frame

- *The frame around the outside is known as the “outer frame”*
- *The frame at the side of the door is known as the “jamb”*
- *The top of the frame is known as the “head”*
- *The sections that divide a door to create side panels are known as “mullions” (transoms run horizontally and mullions run vertically)*

The cill

In most cases the door will require a “cill”. This is an additional section that the door sits on

Low thresholds

The threshold of a door is the bottom rail of the frame (the piece you step over)

There are three sizes of thresholds available for residential doors

- *Standard threshold 75mm high (largest dimension)*
- *Pvc low threshold 60 mm high(largest dimension)*
- *Aluminium low threshold 26mm high (largest dimension)*

Door handle finishes available as standard are:

White Chrome Matt silver Gold Black

Door handles are available as lever/lever or lever/pad the difference is that a lever/pad handle will not have a normal operating handle on the outside. Instead it will be fitted with a pad. This pad will not operate as a normal handle and is for decorative purposes only. A key is required to gain entry from the outside

Locking system

The standard locking mechanism fitted o a door is a five point lock. This consists of two hooks, two rollers and one dead bolt. Additionally it can have shoot bolts added for additional security

Hinges

The door will be fitted with three flag hinges. These hinges are fully adjustable in three directions

Add on sections

Add on sections are available to extend the width of a window or door thickening the size of the outer frame. They are available in widths 15, 25, or 50mm (or can be combined together)

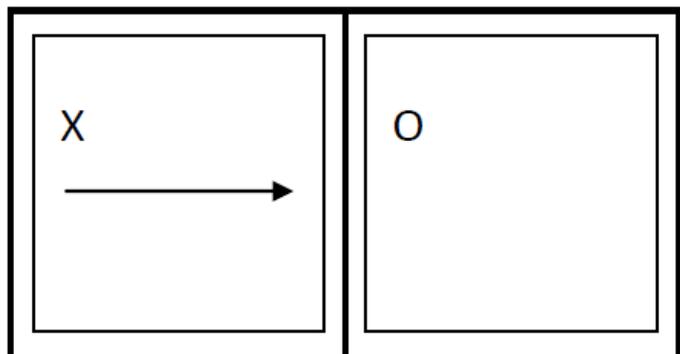
Typical applications are on the hinge side of a door (to ensure the hinge is clear of the plaster line) or where there is very thick plaster (or tiles (preventing the frame from being hidden)

3. Patio doors

Patio doors are sliding doors they can be two three or four pane combinations

In a two pane patio door only one pane will slide and this should be indicated by an "X"

The fixed pane should be indicated with an "O"





A three pane patio door would have two fixed panes and one opener and would be indicated by "O X O"

A four pane patio would have two outer fixed panes and two inner opening panes indicated by "X O O X"

Locking system

The door has 6 hook locks as standard

4. French doors

French or double doors are different to sliding patio doors in that both doors will open providing a larger open space.

While both doors open, one door will open first and must be indicated as the "Master" the other door will only open after the master doors open and is known as the "Slave" door

Doors can open in or out and must be specified

Locking system

Both the master and slave doors are fitted with 9 point locking which consists of 3 hooks 2 dead bolts 2 rollers and 2 shoot bolts

Both doors are fitted with operating handles



5. Bi Folding doors

Bi folding doors have the unique opportunity to open all doors together providing one large opening

The doors can be up to 6m long and can have as many as 7 panels

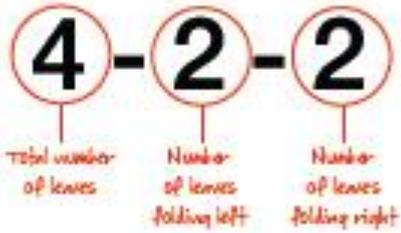




Door with 4-2-2 configuration

How configurations work

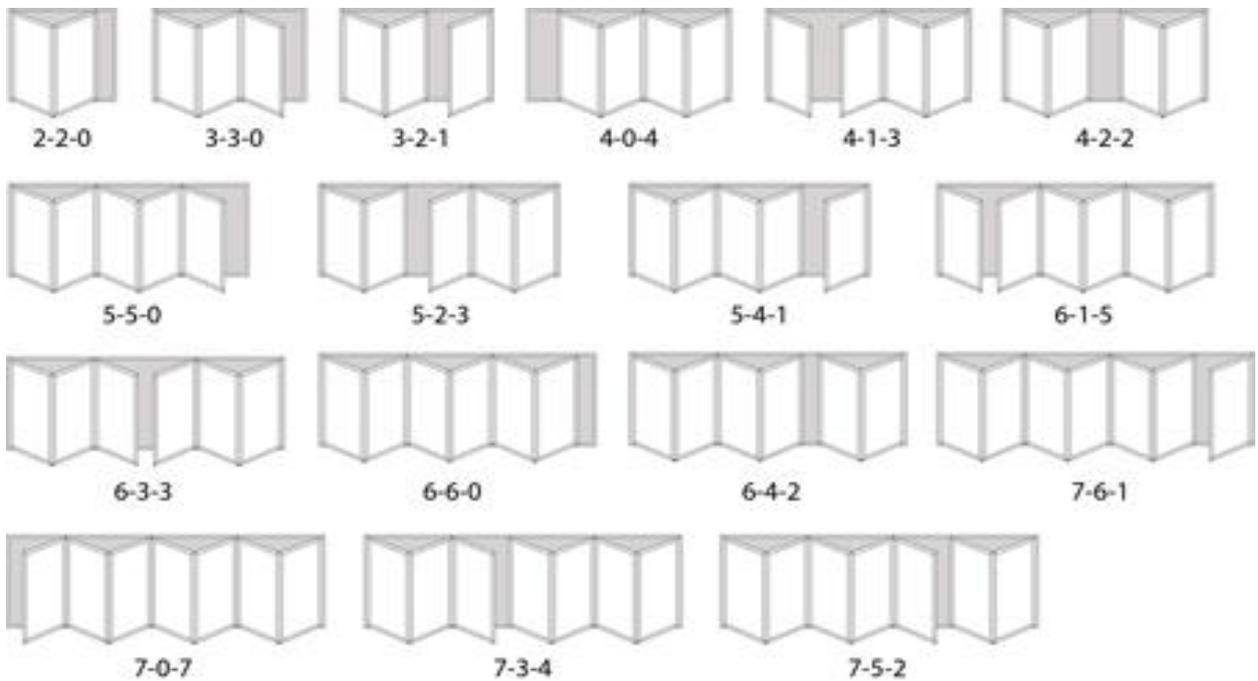
How configurations work



All options are available with inward or outward opening doors.

Extra leaves and additional configurations can be chosen, up to the maximum width of six metres.

For spans of more than six metres, multiple doors can be butt-jointed. A project assessment by a qualified structural engineer will be required.



Example - 5-2-3 = 5 panes, 2 on the left and 3 on the right.

Locking system

Locking systems vary dependant on the configuration

Maximum and minimum dimensions for windows & doors

<i>Location</i>	<i>Maximum</i>	<i>Height / Width</i>	<i>Minimum</i>
Top hinged openers	1200	Width	350*
	1200	Height	350
Side hinged openers	750	Width	400
	1200	Height	400
Tilt & turn openers	1500	Width	550
	1500	Height	550
Residential doors	1000	Width	
	2200	Height	
French doors	1800	Width	1200
	2200	Height	

6. Ordering and sizes

When completing an order form the sizes provided should always be the actual size the doors are required

This will be different from the size of the brickwork opening as an allowance should be made (typically 10mm) to allow for any unevenness in the brickwork. This allowance must be made by the person measuring the window

The ordering sizes provided must be for the actual size of the finished door. Any deductions for cill or add on will be made in the manufacturing process

When providing a sketch drawing this must always be the outside view

7. Guarantee

- *Door (profile and manufacture) 5 years*
- *Hardware 1 year*
- *Glass 5 Years*