

## Minimum / Maximum Manufacturing Sizes Under Guarantee

### Windows (Using shootbolt locking)

	52mm Outer	62mm Outer	72mm Outer
Fixed frame min	220	240	260
Fixed frame max <sup>(4)</sup>	4000	4000	4000
Fixed min transom drop	250	250	250
Sash min transom drop	350	360	370
Top hung min width <sup>(3)</sup>	468	488	508
Top hung min height <sup>(6)</sup>	362	387	407
Top hung max width	1480	1500	1520
Top hung max height <sup>(1)</sup>	1350	1370	1390
Side hung min width <sup>(5)</sup>	400	420	440
Side hung min height	468	488	508
Side hung max width <sup>(2)</sup>	750	770	790
Side hung max height	1480	1500	1520

1. Max height can be increased by using heavy duty hinges up to 1500 (using 52mm outer), but an extra cost will be incurred.
2. Max width can be increased by using a MEGA hinge, but an extra cost will be incurred. Over 750mm, up to 900mm max. (52mm outer)
3. Can be reduced to 220mm (52mm outer) if espags are used. (Knife finish only)
4. Max area for white frames is 6m<sup>2</sup> and for foiled is 4m<sup>2</sup>.
5. Can be reduced to 270mm (52mm outer) if espags are used. (knife finish only)
6. This can be reduced to 257mm (52mm o/f) but a knife finish (not grooved) will apply

**Tilt / Turns (Using Tilt / Turn sash (1))**

	52mm Outer	62mm Outer	72mm Outer
Min width	-	-	530
Min height	-	-	620
Max width	-	-	1300
Max height	-	-	1580

1. By using door sash the max height can be increased to 2300mm (but a max width of 1000mm and a max area of 2m<sup>2</sup> will apply).

**Egress Windows (Using egress hinges and shootbolt locking)**

	52mm Outer	62mm Outer	72mm Outer
Min width to achieve 450mm clear opening			
Outer to centre mullion	600	610	620
Outer to outer	620	640	660

NOTE: By using the MEGA egress hinge, the above widths can be reduced by 60mm (see MEGA hinge PDF). An extra charge will apply

Minimum height to achieve fire regulations (provided 450mm clear width achieved)			
Outer to mullion	825	835	845
Outer to outer	845	865	885

For top hung vents, fire egress can be achieved with a min width of 540mm and a min height of 850mm but the area must exceed 0.33m<sup>2</sup>. (This is based on 52mm o/f)

### PVC Doors

	Single	French
Min width	500	730
Min height	1850	1850
Max width	1000*	2000*
Max height	2300**	2300**

\* With a disclaimer, the maximum width of a single door is 1100mm, the maximum width of a French door is 2100mm.

\*\* With a disclaimer the maximum height is 2350mm.  
Please note that the max area must not exceed 4m<sup>2</sup>

### Composite Doors

Threshold	Aluminium	52mm Outer	72mm Outer
Min width*	835	835	835
Min height (Cottage types)	1777	1802	1822
Min height (Others)	1900	1925	1945
Max width	1008	1008	1008
Max height	2081	2105	2125

- Above sizes are excluding cill.
- \* Cottage style reduces to 642mm wide (white or sprayed, all styles except large glazed).
- Where there is no glass to foul the door handle, the minimum width of the door may be reduced to 794mm. This applies to the following door styles:- Bamburgh Solid, Balmoral, Edinburgh Solid, Edinburgh 2, Stirling and Cottage Small/Slim glazed.

### Composite Door Side screens

	52mm Outer	62mm Outer	72mm Outer
Min width	365	385	405
Min height	1925	-	1945
Max width	-	-	1008
Max height	2105	-	2125

**Composite French Doors**

Min width *	1580
Max width	1900
Height guidelines as single doors	

\* Cottage styles can reduce to min 1400mm wide.

**Wheel Chair Clearance – PVC & Composite Doors**

To achieve clearance in accordance with building regulations.

For a normal dwelling	950mm (overall width)
For communal/public buildings	975mm (overall width)
If the door has a side screen, please check sizes with us.	

**To Clear Step Behind (Internal Obstruction) – PVC Doors Only**

	Overall width (outer to outer) <u>ONLY</u>
Single door	Clearance + 28mm
Double door	(Clearance - 54) x 2
Allows for 10mm clearance	
If the door has a side screen, please check sizes with us.	

**To Clear Step Behind (Internal Obstruction) – Composite Doors Only**

	Overall width (outer to outer) <u>ONLY</u>
Single door	Clearance + 67mm
Allows for 10mm clearance.	

2<sup>nd</sup> December 2016