

Access to and use of buildings  
(for England and Wales)

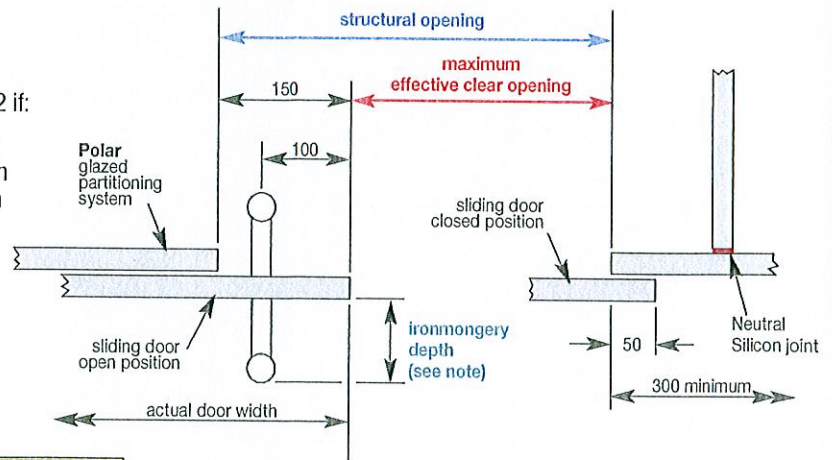
### Minimum effective clear opening through Polar frameless sliding glass internal doors

#### Approved Document

#### Internal Doors

3.10. Will satisfy the requirement of M1 and M2 if:

3.10b. The effective clear width through a single door, or one leaf of a double leaf door is in accordance with the Table and Diagram in the Approved Document.



Minimum effective clear widths of internal opening	
Direction of approach and corridor width	effective clear opening (mm) ECO
<b>New Buildings</b>	
Straight-on (without a turn or oblique approach)	800
At right angles to an access route at least 1500mm wide	800
At right angles to an access route at least 1200mm wide	825

<b>Existing Buildings</b>	
Straight-on (without a turn or oblique approach)	750
At right angles to an access route at least 1500mm wide	750
At right angles to an access route at least 1200mm wide	775
<b>Note:</b> the effective clear width is the width of the opening measured at right angles to the wall in which the door is situated from the outside of the door stop on the door closing side to any obstruction on the hinge side, whether this be projecting door furniture (ironmongery), a weather board, the door, or the door stop (see Diagram).	

#### Komfort Calculation

Effective clear opening required (ECO) + 150mm = structural opening and door leaf size = ECO + 250mm.

#### Komfort's View

The ironmongery does not encroach into the opening and is therefore not applicable to calculations. The following range available of sliding glass doors will meet all the effective clear opening requirements of Part M of the Building Regulations.

Polar frameless sliding glass doorset solutions				
system type	door thickness (mm)	actual door width (mm)	structural opening (mm)	effective clear opening (mm)
Polar Space	12	1200	1100	950
Polar Surface	12	1200	1100	950
Double Glazed	10 or 12	1100	1000	850
Integrated Head	12	1200	1100	950
Manet	10 or 12	1200	1100	950

#### Additional Guidance Information

Guidance Note M1:  
General Introduction.

Guidance Note M14:  
Glass door manifestation.

Guidance Note M34:  
Effective clear opening through  
Polar aluminium framed glass internal doors.

Guidance Note M34a:  
Effective clear opening through  
Polar frameless glass internal doors.