

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

Minimum effective clear opening through frameless 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.

Additional Guidance Information

Guidance Note M1:
General Introduction

Guidance Note M14:
Glass door manifestation.

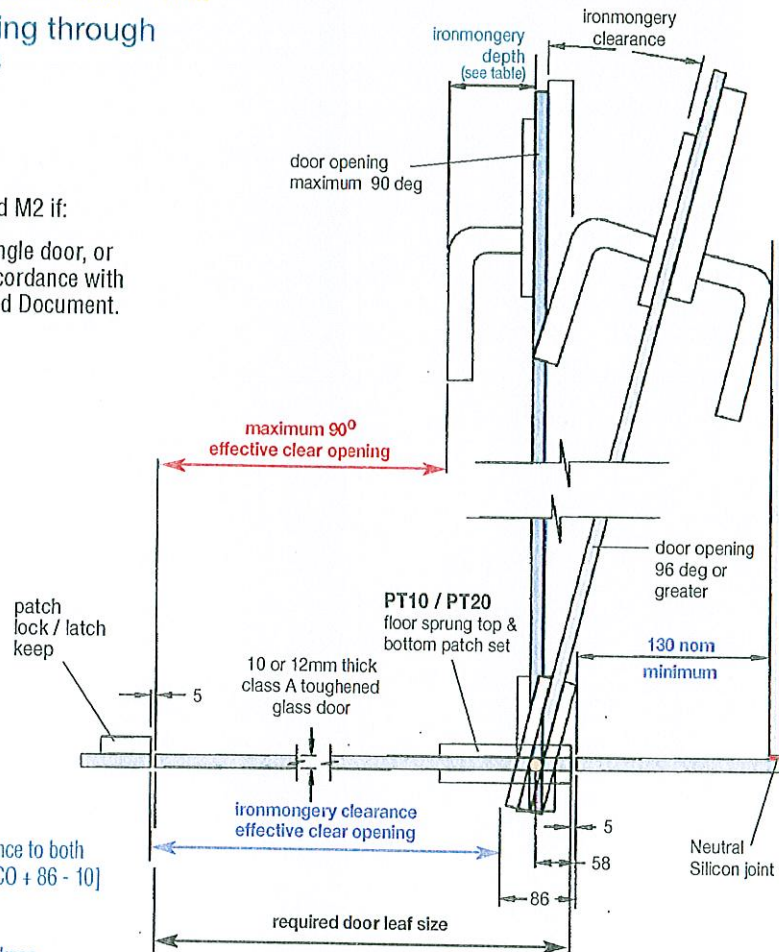
Guidance Note M34:
Effective clear opening through
Polar aluminum framed glass internal doors

Guidance Note M34b:
Effective clear opening through
Polar frameless sliding glass internal doors

Komfort Calculation

Ironmongery cleared
effective clear opening required (ECO) + pivot - clearance to both sides between door and glazed opening = leaf size. $[ECO + 86 - 10]$

90 deg max opening
 $ECO + 58 + \text{ironmongery dimension} + \text{half of door thickness}$
- clearance to both sides between door and glazed opening = leaf size.



Frameless opening	
ironmongery cleared	90 deg max opening
door size new building	
876	plus ironmongery dimension
876	
901	
door size existing building	
826	plus ironmongery dimension
826	
851	

Ironmongery depth dimension		
part code	description	depth (mm)
Polar standard ironmongery		
G942	300mm D handle	60
G942	600mm D handle	60
V750	19mm dia lever handle fitted to V310 Patch lock	68
5235PT BBG	300mm Curved D handle	68
MSDG.7	520mm D handle	85

Minimum effective clear widths of internal opening	
Direction of approach and corridor width	effective clear opening (mm) ECO
New Buildings	
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
Existing Buildings	
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
Note: 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).	