

ATRIUM BASEMENT

Estimated occupancy for shell and core

There are three escape routes from the basement, excluding the three internal wooden staircases connection upper and lower basements. Of the three final exits, two are 1900mm wide, and the third, located at the front, is 2400mm wide. To calculate the occupancy number, the largest exit (2400 mm) is discounted, and the remaining two exits (1900 mm each) are used.

This calculation, according to Approved Document B, confirms that occupation can exceed 600 people.

Table 2.3 Widths of escape routes and exits

Maximum number of people	Minimum width (mm) ⁽¹⁾⁽²⁾⁽³⁾
60	750 ⁽⁴⁾
110	850
220	1050
More than 220	5 per person ⁽⁵⁾

NOTES:

1. See Appendix D for methods of measurement.
2. Widths may need to be increased to meet guidance in Approved Document M.
3. Widths less than 1050mm should not be interpolated.
4. May be reduced to 530mm for gangways between fixed storage racking, other than in public areas of 'shop and commercial' (purpose group 4) buildings.
5. 5mm/person does not apply to an opening serving fewer than 220 people.

From Approved Document B, Volume 2, 2019 edition incorporating 2020, 2022 and 2025 amendments and forthcoming 2026 and 2029 changes