

Table 3.3 Barrier imposed loads

Type of occupancy for part of the building or structure	Specific uses	Top Edge and Rail			Infill		
		Horizontal	Vertical	Inwards, outwards or downwards	Horizontal	Any direction (see Note 2)	
		kN/m	kN/m	kN	kPa	kN	
A Domestic and residential activities	All areas within or serving exclusively one dwelling including stairs, landings etc. but excluding external balconies and edges of roofs (see C3)	0.35	0.35	0.6	0.5	0.25	
	Other residential (see also C)	0.75	0.75	0.6	1.0	0.5	
B,E Offices and work areas not included elsewhere including storage areas	Light access stairs and gangways not more than 600mm wide	0.22	0.22	0.6	N/A	N/A	
	Fixed platforms, walkways, stairways and ladders for access (see Note 1)	0.35	0.35	0.6	N/A	N/A	
	Areas not susceptible to overcrowding in office and institutional buildings also industrial and storage buildings	0.75	0.75	0.6	1.0	0.5	
C Areas where people may congregate							
C1/C2	Areas with tables or fixed seating	Areas with fixed seating adjacent to a balustrade, restaurants, bars etc.	1.5	0.75	0.6	1.5	1.5
C3	Areas without obstacles for moving people and not susceptible to over crowding	Stairs, landings, external balconies, edges of roofs etc.	0.75	0.75	0.6	1.0	0.5
C5	Areas susceptible to over-crowding	Theatres, cinemas, grandstands, discotheques, bars, auditoria, shopping malls (see also D), assembly areas, studios etc.	3.0	0.75	0.6	1.5	1.5
D	Retail areas	All retail areas including public areas of banks/building societies, (see C5 for areas where overcrowding may occur)	1.5	0.75	0.6	1.5	1.5

Note:

1. This usage (under B, E) is for access to and safe working at places normally used by operating, inspection, maintenance and servicing personnel.
2. Applied over a circular or square area of 2000mm², or over two adjacent vertical balusters, as appropriate.

