

6.0

HORIZONTAL CIRCULATION

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THIS SECTION DEALS WITH THE DESIGN OF HORIZONTAL CIRCULATION.

PERFORMANCE OBJECTIVES

Horizontal circulation shall be designed so that it provides logically arranged, well lit, safe and easy to negotiate routes, suitable for the patterns of use within a building, which allow all users to access services and facilities provided therein and exit the building in the event of an emergency.

6.1.1 MANDATORY PROVISIONS

The design of horizontal circulation will satisfy the performance objectives if:

CORRIDORS AND PASSAGEWAYS

1. Corridors and passageways have an unobstructed minimum width of 1800mm (excluding any projections into the space) along their length.
2. Within residential apartments the minimum corridor width relates to the clear width of door openings in accordance with Table 5.
3. In existing buildings where the unobstructed width of the corridor or passageway is greater than 1200mm but less than 1800mm passing places at least 1800mm long and with a width of at least 1800mm are provided at regular intervals along their length. See Figure 43.
4. Elements such as columns, radiators and fire hoses are recessed or protected by a guardrail and are easy to identify.
5. Internal circulation routes within new buildings are level.
6. Internal circulation routes within existing buildings with a gradient between 1:20 and 1:60 have a level rest area at least 1500mm long for every 500mm change in level and have a clearly differentiated surface.

7. Internal circulation routes within existing buildings with a gradient steeper than 1:20 are designed as an internal ramp in accordance with Section 5.2 and steps are provided in addition where the level change is greater than 300mm.
8. If guarding is provided where a corridor is divided along its length between a level and a sloping section.
9. Where leaf-and-a-half doors are provided the wider leaf is located on the same side over the length of the corridor.
10. Outward opening doors are recessed so that when fully open they do not project into the circulation route.
11. Circulation routes in open plan areas comply with items 1 to 10.
12. Surfaces, finishes and lighting comply with Section 4.4 Surfaces and Section 8.3 - Internal Lighting.