

## Part 12.2 Construction in alpine areas

### 12.2.1 Application

[New for 2022]

Part 12.2 applies subject to the provisions at H7D3(2) and (3).

#### Explanatory Information

Buildings constructed in *alpine areas* need special consideration because of sub-zero temperatures which can create elements which restrict free movement to and from the building. The additional measures in this Part include—

- having external doorways open in a way that is not impeded by snow and ice outside; and
- for external trafficable structures forming part of the means of egress, being constructed so that they remain useable under snow conditions, and
- minimising the impact of snow build up between and around buildings.

Part 2.2 (structural provisions) and Section 13 (energy efficiency) also contain specific additional requirements for a building located in an *alpine area*.

### 12.2.2 External doors

[2019: 3.10.4.2]

External doors that may be subject to a build-up of snow must—

- open inwards or slide; and
- be constructed so that the threshold is not less than 900 mm above the adjoining surface; and
- in a Class 1b building, be marked “OPEN INWARDS” on the inside face of the door in letters not less than 75 mm high and in a colour contrasting with that of the background.

### 12.2.3 External trafficable structures

[2019: 3.10.4.3]

External stairways, ramps, access bridges or other trafficable structures serving the building must have—

- a floor surface that consists of expanded mesh if it is used as a means of egress; and
- any *required* barrier designed so that its sides are not less than 75% open; and
- for a stairway, *goings* (G), *risers* (R) and slope relationship quantity ( $2R + G$ ) in accordance with—
  - Table 11.2.2a; or
  - Table 12.2.3; and
- for a ramp serving an external doorway, a gradient not steeper than 1:12.

Table 12.2.3: Alternative stair riser and going dimensions

Maximum <i>risers</i> (R) (mm)	Minimum <i>risers</i> (R) (mm)	Maximum <i>going</i> (G) (mm)	Minimum <i>going</i> (G) (mm)	Maximum slope relationship ( $2R + G$ ) (mm)	Minimum slope relationship ( $2R + G$ ) (mm)
150	115	375	355	675	605