

Explanatory Information: Stairways with winders

- 11.2.2(3) allows the use of *winders* in stairways. However, 11.2.2(3) places a restriction on the number of allowable *winders* in a stairway *flight*, this restriction would apply equally to not permit a stairway incorporating a consecutive series of *winders* in a *flight*.
- This also means the maximum number of consecutive *winders* in any stairway *flight* is 6.

11.2.3 Ramps

[2019: 3.9.1.3]

An external ramp serving an external doorway or a ramp within a building must—

- be designed to take loading forces in accordance with AS/NZS 1170.1; and
- have a gradient not steeper than 1:8; and
- be provided with *landings* complying with 11.2.5 at the top and bottom of the ramp and at intervals not greater than 15 m.

Notes: Livable housing design

Where an external ramp is provided for the purposes of compliance with the ABCB Standard for Livable Housing Design, the requirements of that Standard apply.

Explanatory Information

In relation to external ramps, 11.2.3 applies to a ramp serving an external door. For the purpose of 11.2.3 a driveway is not considered to be a ramp.

11.2.4 Slip resistance

[2019: 3.9.1.4]

- The requirements for slip-resistance treatment to stair treads, ramps and *landings* are as set out in (2), (3) and (4).
- Treads must have—
 - a surface with a slip-resistance classification not less than that listed in Table 11.2.4 when tested in accordance with AS 4586; or
 - a nosing strip with a slip-resistance classification not less than that listed in Table 11.2.4 when tested in accordance with AS 4586.
- The floor surface of a ramp must have a slip-resistance classification not less than that listed in Table 11.2.4 when tested in accordance with AS 4586.
- Landings*, where the edge leads to the *flight* below, must have—
 - a surface with a slip-resistance classification not less than that listed in Table 11.2.4 when tested in accordance with AS 4586, for not less than 190 mm from the stair nosing; or
 - a nosing strip with a slip-resistance classification not less than that listed in Table 11.2.4 when tested in accordance with AS 4586.

Table 11.2.4: Slip-resistance classification

Application	Dry surface conditions	Wet surface conditions
Ramp not steeper than 1:8	P4 or R10	P5 or R12
Tread surface	P3 or R10	P4 or R11
Nosing or landing edge strip	P3	P4