

7.4.5 Downpipes – size and installation

[2019: 3.5.3.5]

Downpipes must—

- (a) not serve more than 12 m of gutter length for each downpipe; and
- (b) be located as close as possible to valley gutters; and
- (c) be selected in accordance with the appropriate eaves gutter section as shown in Table 7.4.3a, Table 7.4.3b and Table 7.4.3c.

Explanatory Information

A maximum 12 m gutter length served by each downpipe is to ensure effective fall and adequate capacity to discharge all water anticipated during a storm having an *annual exceedance probability* of 5%.

Where a rainhead overflow device is incorporated in the top of the downpipe, its overflow discharge should be directed away from the building.

7.4.6 Acceptable continuous overflow measure

[2019: Table 3.5.3.4a]

- (1) For a front face slotted gutter with—
 - (a) a minimum slot opening area of 1200 mm² per metre of gutter; and
 - (b) the lower edge of the slots installed a minimum of 25 mm below the top of the fascia,
 the acceptable overflow capacity must be 0.5 L/s/m, constructed in accordance with Figure 7.4.6a.
- (2) For a controlled back gap with—
 - (a) a permanent minimum 10 mm spacer installed between the gutter back and the fascia; and
 - (b) one spacer per bracket, with the spacer not more than 50 mm wide; and
 - (c) the back of the gutter installed a minimum of 10 mm below the top of the fascia,
 the acceptable overflow capacity must be 1.5 L/s/m, constructed in accordance with Figure 7.4.6b.
- (3) For the controlled back gap option, the spacer can be a proprietary clip or bracket that provides the *required* offset of the gutter from the fascia.
- (4) For controlled front bead height with the front bead of the gutter installed a minimum of 10 mm below the top of the fascia, the acceptable overflow capacity is 1.5 L/s/m constructed in accordance with Figure 7.4.6c.

Figure 7.4.6a: Construction of front face slotted gutter

