

- i) have, where high and low level *trickle ventilators* are required, the high and low level *trickle ventilators* of approximately the same *equivalent aerodynamic area* and separated by a minimum of 1 metre. High level *trickle ventilators* are located in the top half of the wall. Low level *trickle ventilators* are located in the bottom half of the wall.

COMMENT:

There are a range of *trickle ventilators*, sometime called background ventilators, on the market.

1.4 Combined natural ventilation and mechanical ventilation

Scope

1.4.1 This section specifies the combined natural and mechanical ventilation requirements for both *household units* and accommodation units, with one external wall, such as those often found in apartments, hotels and motels.

Habitable spaces will be naturally ventilated, and kitchens, bathrooms, toilets and laundries will be ventilated by continuous or intermittent mechanical extract ventilation.

Combination ventilation with continuous mechanical extract

1.4.2 For *habitable spaces* with both one external wall and a *permanent opening* to a kitchen, bathroom, toilet or laundry, within which a continuous mechanical extract system is installed, ventilation shall be achieved by:

- a) integrating high level *trickle ventilators*, located within the external wall or *building elements* that are integrated within the external wall (see Paragraph 1.3.9 for *trickle ventilators*), and
- b) having a *net openable area* of windows and/or other openings to the outside of no less than 5% of the floor area, and
- c) having the kitchen, bathroom, toilet, or laundry door undercut by 20 mm, and

- d) having a maximum dimension between the external wall and the furthest internal opposing wall, when measured across the combined *habitable space* and the kitchen, bathroom, toilet, or laundry, of less than 10 metres.

Combination ventilation with intermittent mechanical extract

1.4.3 For *habitable spaces* with one external wall and a *permanent opening* to a kitchen, bathroom, laundry, or toilet, within which an intermittent mechanical extract system is installed, ventilation shall be achieved by:

- a) integrating high and low level *trickle ventilators*, located within the external wall or *building elements* that are integrated within the external wall (see Paragraph 1.3.9 for *trickle ventilators*), and
- b) having a *net openable area* of windows and/or other openings to the outside of no less than 5% of the floor area, and
- c) having the kitchen, bathroom, toilet, or laundry door undercut by 20 mm, and
- d) having a maximum dimension between the external wall and the furthest internal opposing wall, when measured across the combined *habitable space* and the kitchen, bathroom, toilet, or laundry, of less than 6 metres.

COMMENT:

If Paragraphs 1.4.2 and 1.4.3 both apply, then ventilation shall be achieved by complying with Paragraph 1.4.3.