

Schools Monitoring

Building Bulletin 101

Click here to go to the BB 101 document. [link](#)

Click here to see how the BuiltAir monitor meets Building Bulletin 101 [link](#)

Covers Ventilation, thermal comfort and indoor air quality.

Updated August 2018

The Guidance also pays attentions to

Thermal Comfort

Thermal comfort covers ambient and radiant temperature, airflow and relative humidity and pressure.

ASHRAE 55 pays reference to how this is determined [link](#)

Nosmotech's BuiltAir suggests how it can be measured

Making reference to part F of the Building Regulations which also includes schools

Requirement F1(1), from Part F of Schedule 1 to The Building Regulations 2010, states:

“There shall be adequate means of ventilation provided for people in the building.”

The key take aways for ventilation when referring to CO₂

Where mechanical ventilation is utilised

The carbon dioxide level shall have an average daily reading of less than a 1000ppm during a normal daily occupancy period, with the design level of people within in the room.

Where natural ventilation exists,

A, average daily averages should be less than 1500ppm during a normal occupancy period.

B, The max concentration should not exceed 2000ppm for more than 20mins each day when the number of occupants in the room is equal or less than the design occupancy

C, The design should aim to have a cO₂ conc of not more than 800ppm above the external conc taken as 400ppm

Also

In teaching and learning spaces, in the **absence of any other major pollutants**, carbon dioxide is the key indicator of ventilation performance for the control of indoor air quality.