

Ventilation Requirements in Accordance with TGD F 2019

Room Name	Room Area (m²)	Category Omitted	Min Requirement for Purge Ventilation (m²)(1/20 of room area)	Min Background Ventilation (mm2) (700mm2/m2 floor area)	Associated Windows
Proposed Classroom 1	74.35	0	3.7175	7000	W01
W/C 1	2.3	0	0.115	1610	W02
W/C 2	2.3	0	0.115	1610	W03
Proposed Classroom 1	74	0	3.7	7000	W04
W/C 1	2.3	0	0.115	1610	W05
W/C 2	2.3	0	0.115	1610	W06

Ventilation Requirement Footnotes:

Each window assembly must be manufactured in accordance with Part F Table 1 Ventilation of room direct to external air of the current Building Regulations and achieve a minimum rapid ventilation area of 1/20th of the floor area of the room. The selected fabricator must demonstrate compliance through calculations mentioned earlier.

Window ventilators shall be provided throughout to provide means of passive ventilation, to be read in conjunction with proposed Window Schedule and associated drawings.

As indicated on window schedule, each window shall incorporate a Ventilator and shall be polyester powder coated offering a single colour facility to match the window profiles. They should be fitted with an external, aluminium hood. The glazed in vents should be fitted with rod control.

Each vent must be capable of providing a minimum free airflow in accordance with Part F of the current Building Regulations. Vents shall be tested to BS 6375-1:2015, and achieve the same requirements of the window unit for purposes of Air permeability, water tightness and wind resistance.

Background ventilation must be provided in accordance with Part-F Ventilation (2019) of the building regulations and comply with Table 4:

- Basic ventilation provision using background ventilators and specific provision for extract and purge ventilation;
- Minimum equivalent area of background ventilator (mm2)
- Occupiable room background ventilation requirement are as follows:

1. Floor area up to 10 m2 – 7,000 mm2
2. Floor area over 10 m2 – 700 mm2/m2 floor area.