

Fire Safety Requirements

for

Laboratory

1. Portable fire fighting equipment of the approved type, over and above those installed for the occupation of the building, shall be provided as follows:
 - 1.1 _____ x 9 L water type fire extinguisher(s) at _____;
 - 1.2 _____ x 4.5 kg CO₂ type fire extinguisher(s) at _____ ; and
 - 1.3 _____ x 1.44 m² fire blanket at _____.
2. The laboratory shall be completely separated from other part of the premises by walls of not less than one hour fire resistance period. High level ventilation to open balcony / open type corridor at a height of 1800 mm from floor level may be provided.
3. All exit doors of the laboratory shall be self-closing with a fire resistance period of not less than half hour.
4. Fume-cupboards, if provided, shall be adequately ventilated to the open air.
5. Poisonous substances and dangerous substances shall be kept in proper containers clearly marked with the names of the substances and kept in a locked room or cupboard, the key to which shall be kept under the control of the teacher/technician in charge of the laboratory.
6. The air conditioning system, if provided, shall be either window unit type or independent system exclusively servicing the school laboratory.
7. The air-conditioning system shall be able to provide adequate ventilation with fresh air from the outside.

This document is for reference only. Detailed fire safety requirements will be separately issued subject to the result of on-site assessment.

8. The exhaust air from the air-conditioning system shall be directed to the open air.
9. An exhaust system shall be provided and switched on whenever the school laboratory is in use to prevent any accumulation of hazardous vapours.
10. All hazardous operations, e.g. those operations where toxic vapours will be generated or those involving corrosive substances shall be performed inside a fume-cupboard.
11. No storage of any dangerous goods exceeding the exempted quantity in accordance with the Dangerous Goods (General) Regulations, Chapter 295B, Laws of Hong Kong, shall be allowed.
12. Additional Requirements (if any) : -