

#### 401.04 Isolation of Pollutant Sources

For all new and existing buildings, where activities produce hazardous fumes or chemicals, spaces must be provided with separate air extraction systems to create negative pressure and exhaust the fumes or chemicals to ensure they do not enter adjacent rooms.

Dangerous Goods must be stored in accordance with Dubai Municipality Requirements.

#### 401.05 Openable Windows

For all new buildings, opening windows must be provided in accordance with Dubai Municipality Building Regulations unless there is safety requirements restricting opening these windows.

#### 401.06 Indoor Air Quality Compliance - New Buildings

For all new buildings, suitable ventilation for the building occupants and ensure the air quality in accordance with the technical guidelines issued by Dubai Municipality.

The buildings which optionally apply the following procedures will be awarded indoor air quality certificate by Dubai municipality.

- A.** Indoor air quality testing must be carried out prior to occupancy. The maximum limit for indoor air contaminants included in Table 401.6(1) must not be exceeded. A report which shows compliance with these requirements must be submitted to Dubai Municipality.

Table 401.6(1) - Schedule, Duration of Sampling, and Maximum Limit for Contaminants

Sampling Schedule	Type of Samples	Maximum Acceptable	Sampling Duration
Pre-Occupancy	Formaldehyde	< 0.08 parts per million (ppm)	8- hour continuous monitoring (8 hour time-weighted average [TWA])
	Total Volatile Organic Compound (TVOC)	< 300 micrograms/m <sup>3</sup>	
	Suspended Particulates (<10 microns)	< 150 micrograms/m <sup>3</sup>	

- B.** Air Quality testing must be carried out by an air testing company or laboratory accredited by Dubai Municipality (DM), and the Compliant test results must be submitted to DM.

- C.** Air quality testing equipment must have initial and periodical calibration certificate as per manufacturer requirement from an external calibration facility accredited by DM or at least annual calibration certificate. The initial and periodical calibration certificates must be saved in a special register to be checked by DM in order to ensure the accuracy of the readings as condition of renewal the indoor air quality certificate.

