

APPLICABILITY

This regulation is applicable to all building types. Refer to Table 101.07 (1) in Section One - Administration for detailed applicability levels.

IMPLEMENTATION

Development of construction indoor air quality management strategies is the first step towards compliance. Project specific requirements and guidelines should be integrated into design specifications.

Prior to commencement of construction works, a detailed indoor air quality (IAQ) management plan incorporating the various indoor air quality implementation strategies associated with the specific project should be developed. This plan shall state compliance with applicable local or international standards.

During construction works, the plan should incorporate, at a minimum the following:

System Protection: If permanently installed HVAC systems are used during construction but prior to occupancy, the system shall be equipped with MERV 8 filters as determined in ASHRAE 52.2 (latest version) or equivalent filtration media in the supply air system. Instead of using permanent HVAC systems, temporary systems can be employed to provide comfort requirements to workers.

Protect stored on-site or installed absorptive building materials from weather and moisture; wrap with plastic and seal tight to prevent moisture absorption (fig. 401.02(1)). Absorption of moisture by building material may build up mold in future.

After commissioning and immediately prior to occupancy, MERV 8 filters or equivalent filters shall be installed in the supply air system. Additionally, all other filters that were used during construction shall be replaced with new filters.

All installed HVAC equipment and duct systems including all return and supply air vents and any open ductwork shall be sealed properly to eliminate air borne construction debris or dust from accumulating inside. Same strategies shall be followed for storage of HVAC systems prior to installation.



Fig 401.02(1): Sample Photo of System Protection