



| v3 - LEED 2009

## Indoor air quality best management practices - reduce particulates in air distribution

EQc1.4 | Possible 1 point

Glossary

### Intent

To reduce exposure of building occupants and maintenance personnel to potentially hazardous particulate contaminants, which adversely affect air quality, human health, building systems and the environment.

### Requirements

In mechanically ventilated buildings, each ventilation system that supplies outdoor air shall comply with the following during the performance period:

- Particle filters or air cleaning devices shall clean the outdoor air at any location prior to its introduction to occupied spaces.
- These filters or devices shall meet one of the following criteria for all outside air intakes and inside air recirculation returns:
  - Filtration Media is rated a minimum efficiency reporting value (MERV) of 13 in accordance with ASHRAE Standard 52.2 or greater
  - Filtration media is Class F7 or higher, as defined by CEN Standard EN 779: 2002, Particulate air filters for general ventilation, Determination of the filtration performance
  - Filtration media has a minimum dust spot efficiency of 80% or higher and greater than 98% arrestance on a particle size of 3-10  $\mu\text{g}$
- Establish and follow a regular schedule for maintenance and replacement of these filtration media according to the manufacturer's recommended interval.