LEED BD+C: Homes | v2008

Air filtering

EQc7 | Possible 2 points

Intent

Reduce particulate matter from the air supply system.

Requirements

A. Forced-air systems:

Prerequisites

7.1 **Good filters**. Install air filters with a minimum efficiency reporting value (MERV) ≥ 8 and ensure that air handlers can maintain adequate pressure and air flow. Air filter housings must be airtight to prevent bypass or leakage.
Non-ducted units such as PTACs and mini-splits are exempt from this prerequisite per the requirements of ASHRAE Standard 62.2-2007, section 6.7, Minimum Filtration.

Credits

7.2 **Better filters** (1 point). Install air filters ≥ MERV 10 and ensure that air handlers can maintain adequate pressure and air flow. Air filter housings must be airtight to prevent bypass or leakage.

OR

7.3 **Best filters** (2 points). Install air filters ≥ MERV 13 and ensure that air handlers can maintain adequate pressure and air flow. Air filter housings must be airtight to prevent bypass or leakage.

B. Nonducted HVAC systems (e.g., radiative systems):

Prerequisites

7.1 **Good filters**. Install air filters ≥ MERV 8 and maintain adequate pressure and air flow in any mechanical ventilation systems. A home in a climate with fewer than 4,500 infiltration degree-days or a home that uses only passive or exhaust-only ventilation is exempt from this requirement.

Credits

7.2 **Better filters** (1 point). Install air filters ≥ MERV 10 and maintain adequate pressure and air flow for any mechanical ventilation systems.

OR

7.3 **Best filters** (2 points). Install air filters ≥ MERV 13 and maintain adequate pressure and air flow for any mechanical ventilation systems.