



| v3 - LEED 2008

## Local exhaust

EQc5 | Possible 2 points

Glossary

### Intent

Reduce moisture and exposure to indoor pollutants in kitchens and bathrooms.

### Requirements

#### Prerequisites

5.1 **Basic local exhaust.** Meet all the following requirements:

1. Design and install local exhaust systems in all bathrooms (including half-baths) and the kitchen to meet the requirements of Section 5 of ASHRAE Standard 62.2-2007. Sample requirements that relate to minimum intermittent local exhaust flow rates are shown in **Table 1**, below.
2. Design and install the fans and ducts to meet the requirements of Section 7 of ASHRAE Standard 62.2-2007.
3. Exhaust air to the outdoors (i.e., exhaust to attics or interstitial spaces is not permitted).
4. Use ENERGY STAR labeled bathroom exhaust fans (except for exhaust fans serving multiple bathrooms).

**Table 1. Minimum Air Flow Requirements for Intermittent Local Exhaust**

Location	Minimum air flow
Kitchen	100 cfm; vented range hood required if exhaust fan flow rate is less than 5 kitchen air changes per hour.
Bathroom	50 cfm

#### Credits

5.2 **Enhanced local exhaust** (1 point). Use one of the following strategies in every bathroom to control the use of the local exhaust fan:

- a. An occupancy sensor.
- b. An automatic humidistat controller.
- c. An automatic timer to operate the fan for a timed interval after occupant leaves the room.
- d. A continuously operating exhaust fan.

5.3 **Third-party performance testing** (1 point). Perform a third-party test of each exhaust air flow rate for compliance with the requirements in Section 5 of ASHRAE Standard 62.2-2007.