



LEED 2009 for New Construction and Major Renovations

IEQ CREDIT 5: INDOOR CHEMICAL AND POLLUTANT SOURCE CONTROL

All fields and uploads are required unless otherwise noted.

ENTRYWAY SYSTEMS

This static sample form has been modified for offline access. All sections of the form are visible. Sample forms are for reference only.

- Permanent entryway systems (grilles, grates, mats) that capture dirt and prevent particulates from entering the building are designed to be installed at all regular building entry points in the project scope. The systems are at least 10 feet long (as measured along the primary direction of travel) and are designed to be in place immediately inside the required entryways.

A scaled floor plan showing entryway system location(s) and measurement(s) is required to document credit compliance. The following is a linked submittal. (If no document is present, or if the document does not include the required information, upload a document which meets the above requirements.)

Upload L-1. Provide representative floor plan(s) for the project building.

Files:

Select one of the following:

- The floor plan above shows entryway system location(s) and measurement(s).
- A different document is better suited to satisfy this requirement.

Upload IEQc5-1. Provide a floor plan(s) (with scale) showing indicates entryway system location(s) and measurement(s).

Files:

Select one of the following:

- Roll-out mats.** Roll-out mats are used for some or all of the entryway systems declared above, and are maintained by a contracted service organization or maintenance staff on a weekly basis.
- Permanent entryway systems.** Roll-out mats are not used for any of the entryway systems declared above. All regularly used exterior entrances have permanent entryway systems installed.

Describe the entryway systems using floor mats. List the mat type(s) and locations, and describe the maintenance procedure for each roll-out mat, including frequency, responsible party(s), and contract length (if applicable).

NEGATIVELY PRESSURIZED ROOMS

The project contains the following space types where hazardous gases or chemicals may be present or used. (Select all that apply):

- Garage.
- Housekeeping/laundry areas.
- Copying/printing room.
- Chemical storage and mixing areas.
- Other

- Each space where hazardous gases or chemicals may be present or used is designed to be sufficiently exhausted to create negative pressure with respect to adjacent spaces when the doors to the room are closed. For each of these spaces, self-closing doors and deck to deck partitions or a hard lid ceiling are provided. The exhaust rate is designed to be at least 0.50 cfm/sq.ft., with no air recirculation. The pressure differential with the surrounding spaces is designed to be at least 5 Pa (0.02 inches of water gauge) on average and 1 Pa (0.004 inches of water) at a minimum when the doors to the rooms are closed.

Mechanical drawings, highlighting the location of chemical/hazardous gas usage areas, room separations and associated exhaust systems, are required to document credit compliance. The following is a linked submittal. (If no document is present, or if the document does not include the required information, upload a document which meets the above requirements.)

Upload L-4. Provide mechanical plans and/or drawings.

Files:

Select one of the following:

- The drawings above demonstrate compliance with the negative pressurization requirements.
- A different document is better suited to satisfy this requirement.

Upload IEQc5-2. Provide mechanical drawings which demonstrate compliance with the negative pressurization requirements.

Files:

A Licensed Professional Exemption (LPE) is available for Professional Engineers (mechanical) in lieu of documentation detailing the separation and pressurization of spaces where hazardous gases may be present.

Select one of the following:

- Streamlined Path (PE - Mechanical).
- Full Documentation Path.



NOTE: For each Licensed Professional Exemption claimed, the relevant licensed professional must complete the corresponding Exemption Signature on the Licensed Professional Exemptions tab in order to be considered a valid submittal.

Licensed Professional Exemption claimed by:

Complete Table. Isolated Exhaust Systems for all spaces where hazardous gases or chemicals may be present or used.



Table IEQc5-1. Isolated Exhaust Systems Areas

Room ID / Type	Room Area (sf)	Exhaust Rate (cfm/sf)	Average Pressure Differential(pa)	Minimum Pressure Differential (with doors closed) (pa)	Separation Method
Compliance with EQ Credit 5 Requirement					

For each of the areas listed in the table above, air recirculation is **not** present.

FILTRATION

Select all that apply to the project building:

- The project building is mechanically ventilated, in part or in whole.
- The project building is naturally ventilated, in part or in whole.
- Supply air systems, including both outside air and return air delivered as supply, serving all regularly occupied areas are sized to accommodate filtration media with a MERV rating of 13 or better. New filtration media which meet this MERV rating will be installed prior to occupancy.

A mechanical schedule(s) (or similar documentation) listing the MERV rating for all air handling units installed in the project is required to document credit compliance. The following is a linked submittal. (If no document is present, or if the document does not include the required information, upload a document which meets the above requirements.)

Upload L-3. If the LEED scope includes mechanical systems, provide the mechanical schedules here.

Files:

Select one of the following:

- The document above shows MERV values for all air handling units installed in the project.
- A different document is better suited to satisfy this requirement.

Upload IEQc5-3. Provide mechanical schedule(s) (or similar documentation) listing MERV values for all air handling units installed in the project.

Files:

CHEMICAL CONTAINMENT

Select one of the following:

- For all spaces where water and/or chemical concentrate mixing occurs, the project complies with all applicable federal, state, and local laws and/or regulations for the storage, containment, and disposal of hazardous liquid wastes.
- No water and chemical concentrate mixing occurs in the project.

ADDITIONAL DETAILS

- Special circumstances preclude documentation of credit compliance with the submittal requirements outlined in this form.

SPECIAL CIRCUMSTANCES

Describe the circumstances limiting the project team's ability to provide the submittals required in this form. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

Upload IEQc5-SC. Provide any additional documentation that supports the claim to special circumstances. (Optional)

Files:

- The project team is using an alternative compliance approach in lieu of standard submittal paths.

ALTERNATIVE COMPLIANCE PATH

Describe the alternative compliance path used by the project team. Include justification that this path meets the credit intent and requirements. Be sure to reference what additional documentation has been provided, if any. Non-standard documentation will be considered upon its merits.

SUMMARY

IEQ Credit 5: Indoor Chemical and Pollutant Source Control Points Documented:

REFERENCE ONLY