| v3 - LEED 2009

Low-emitting materials

EQc4 | Possible 4 points

Glossary

Intent

To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements

Projects may choose any of the following credits, with a maximum of 4 points.

CREDIT 4.1. Adhesives and Sealants (1 point)

All adhesives and sealants installed in the building interior (defined as inside the weatherproofing system and applied on-site) must meet the testing and product requirements of the California Department of HealthServices Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

OR

CREDIT 4.2. Paints and Coatings (1 point)

All paints and coatings used on the interior of the building (i.e., inside of the weatherproofing system and applied on-site) must meet the testing and product requirements of the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

OR

CREDIT 4.3. Flooring Systems (1 point)

All flooring elements installed in the building interior must meet the testing and product requirements of the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

Mineral-based finish flooring products such as tile, masonry, terrazzo, and cut stone without integral organic based coatings and sealants and unfinished/untreated solid wood flooring qualify for credit without any IAQ testing requirements. However, associated site-applied adhesives, grouts, finishes and sealers must be compliant for a mineral-based or unfinished/untreated solid wood flooring system to qualify for credit.

OR

CREDIT 4.4. Composite Wood and Agrifiber Products (1 point)

All composite wood and agrifiber products installed in the building interior must meet the testing and product requirements of the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.
Wood and agrifiber products shall be treated as walls within the classroom scenario when determining compliance.

OR

CREDIT 4.5. Furniture and Furnishings (1 point)

Classroom furniture including all student and teacher desks, tables and seats that was manufactured, refurbished or refinished within 1 year prior to occupancy must meet 1 of the requirements below. Salvaged and used furniture that is more than 1 year old at the time of occupancy is excluded from the credit requirements.

OPTION 1

Classroom furniture and seating must meet the emissions requirements of the GREENGUARD Children and Schools standards with testing conducted in an independent third-party air quality testing laboratory.

OR

OPTION 2

Calculated indoor air concentrations that shall be less than or equal to those established in Table 1 for classroom furniture and seating when determined by a procedure based on ANSI/BIFMA M7.1-2007 and ANSI/BIFMA X7.1-2007 testing protocol, when modeled using the classroom scenario of the California Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda , with testing conducted in an independent third-party air quality testing laboratory.

OR

CREDIT 4.6: Ceiling and Wall Systems (1 point)

All gypsum board, insulation, acoustical ceiling systems and wall coverings installed in the building interior must meet the testing and product requirements of the California

Department of Health Services Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers, including 2004 Addenda.

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