

ceilume's... POTENTIAL LEED CREDITS

ENERGY AND ATMOSPHERE

EA Prerequisite 2: Minimum Energy Performance

Intent

To establish the minimum level of energy efficiency for the proposed building and systems to reduce environmental and economic impacts associated with excessive energy use.

With an average Light Reflectance Rating of 83%, Ceilume Ceiling Tiles can help to achieve the Minimum Energy Performance required by the LEED rating system. When properly utilized with efficient and individually controllable lighting, Ceilume's above average Light Reflectance Rating can enhance the efficiency of a building-wide lighting scheme.

EA Credit 1: Optimize Energy Performance

Intent

To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.

With an average Light Reflectance Rating of 83%, Ceilume Ceiling Tiles can help to achieve the Minimum Energy Performance required by the LEED rating system. When properly utilized with efficient and individually controllable lighting, Ceilume's above average Light Reflectance Rating can enhance the efficiency of a building-wide lighting scheme.

Possible Points Available in Credit: 1 – 19

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MATERIALS AND RESOURCES

MR Credit 2: Construction Waste Management

Intent

To divert construction and demolition debris from disposal in landfills and incineration facilities. Redirect recyclable recovered resources back to the manufacturing process and reusable materials to appropriate sites.

Ceilume Ceiling Tiles are made of an extremely lightweight plastic, which is shipped in cardboard cartons. Since our tiles pack so economically, up to 160 square feet of Ceilume Ceiling Tiles ship in equivalent packaging to 60 square feet of traditional mineral fiber tiles. This makes for significantly less waste at the job site, all of which can be diverted to recycling.

Because Ceilume Ceiling Tiles are made entirely out of recyclable vinyl, the waste from trimming the tiles can be diverted from the landfill to recycling. Other ceiling tile recycling programs require special arrangement for pickup from the manufacturer, but our tiles can be recycled at any local recycling center.

Possible Points Available in Credit: 1 – 2

MR Credit 5: Regional Materials

Intent

To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

Ceilume Ceiling Tiles are manufactured right here in California, so any job site within 500 miles of California Zip Code 95444 will qualify for points in the Regional Materials LEED Credit.

Possible Points Available in Credit: 1 – 2



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INDOOR ENVIRONMENTAL QUALITY

IEQ Prerequisite 1: Minimum Indoor Air Quality Performance

Intent

To establish Minimum Indoor Air Quality Performance to enhance indoor air quality in buildings, thus contributing to the comfort and well-being of the occupants.

Ceilume Ceiling Tiles are GREENGUARD Certified for Indoor Air Quality at the Children and Schools Certification Level, which means they emit no VOCs, airborne dust, or debris. Used in place of more traditional ceiling tiles, which can harbor formaldehyde and produce particulate matter, Ceilume Ceiling Tiles can help achieve the Minimum Indoor Air Quality Performance required to earn a LEED certification.

IEQ Credit 3.1: Construction IAQ Management Plan – During Construction

Intent

To reduce indoor air quality problems resulting from construction or renovation and promote the comfort and well-being of construction workers and building occupants.

Ceilume Ceiling Tiles are GREENGUARD Certified for Indoor Air Quality at the Children and Schools Certification Level, which means they emit no VOCs, airborne dust, or debris. During construction, Ceilume Ceiling Tiles can be cut without creating any added dust, particles, or airborne contaminants. Our tiles do not need to cure in open air, and therefore will not release contaminants heavily in the first several weeks of use, unlike standard gypsum and mineral fiber ceiling tiles. When using a comprehensive air quality control plan, Ceilume can significantly benefit the overall indoor air quality of a building under construction.

Possible Points Available in Credit: 1



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INDOOR ENVIRONMENTAL QUALITY

IEQ Credit 4.2: Low-Emitting Materials – Paints and Coatings

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.

While Ceilume Ceiling Tiles are not directly assumed to be a paint or coating, they are considered a decorative treatment for indoor walls and ceilings. Ceilume Ceiling Tiles are GREENGUARD Certified for Indoor Air Quality at the Children and Schools Certification Level, which means they emit no VOCs, airborne dust, or debris. Used in place of more traditional ceiling tiles, which can harbor formaldehyde and produce particulate matter, Ceilume Ceiling Tiles may help a LEED project qualify for points in the Innovation in Design Credit 1.

Possible Points Available in Credit (Innovation in Design Credit 1): 1 - 5

IEQ Credit 8.1: Daylight and Views - Daylight

Intent

To provide building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.

With an average Light Reflectance Rating of 83%, Ceilume Ceiling Tiles can help a building to reach the level of daylight penetration required for the LEED Daylight and Views IEQ credits. When used in conjunction with proper window placement, size, and glare control, Ceilume Ceiling Tiles can help to reflect daylight throughout regularly occupied areas to reach the 25 footcandle to 500 footcandle range of daylight illuminance required for IEQ Credit 8.1.

Possible Points Available in Credit: 1



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