

Contributions to LEED® for NC



PREMISE

Minimize impact. Maximize investment. PREMISE® is the elegant solution for minimizing impact on the environment—made from materials that preserve indoor air quality and focus on recycled content. And because it's made to last, your investment is designed with the environment in mind. **PREMISE helps achieve LEED-NC credits.** PREMISE products may contribute to the individual prerequisites and credits of LEED NC. Because LEED is a holistic building rating system and sustainable design guideline, there is no such thing as LEED-certified products—only ways of using and applying products to support the criteria.

HAWORTH®
change by design

PREMISE Impact LEED-NC

Air Quality. The materials in PREMISE branded products minimize the impact on indoor air quality. For example: Glues and finishes do not contain volatile organic compounds (VOCs). PREMISE is GREENGUARD™ certified as low-emitting for formaldehyde, VOCs, and aldehydes. Metal parts are painted using powder coating, an environmentally clean technology that doesn't use solvents. Paint overspray is captured and reused to minimize waste.

Recycled Content. PREMISE Enhanced monolithic panels are constructed with a rugged monocoque construction consisting of a welded steel frame (30% recycled content) with a mineral board cover (average 62% recycled content), over a paper honeycomb core (20% recycled content). Several fabrics and colorways are available in 100% recycled polyester. Wheatboard, a 100% recycled agriboard product, is available for worksurfaces and in caseworks, providing rapidly renewable materials content for LEED. The majority of materials used in PREMISE panels are also recyclable.

Design for the Environment (DfE). PREMISE is an extremely strong and durable system that provides many years of reliable service for an excellent return on investment. Designing product that maximizes useful life is one of many strategies related to Design for the Environment (DfE).

Contributing to LEED-NC. In some cases PREMISE contributes directly to individual LEED points, but in other cases can only help meet the overall intent. There are relatively few instances where selection of any one manufacturer's product will lead directly to acquisition of a LEED point(s). The following product information highlights direct impacts as well as application tips and strategies to help you maximize the contribution of points toward your project's LEED certification.

PREMISE Impact LEED-NC

LEED-NC Credit

Intent/Requirement

PREMISE Contribution

ENERGY AND ATMOSPHERE

Optimize Energy Performance
Credit 1 (1-10 pts)

Intent: Achieve increasing levels of energy performance above the prerequisite standard to reduce environmental impacts associated with excessive energy use.

Requirement: Reduce design energy cost compared to the energy cost budget for energy systems regulated by ASHRAE/IESNA standard 90.1 1999 (without amendments), as demonstrated by a whole building simulation using the Energy Cost Budget Method described in Section 11 of the standard (points assigned based on percentages as outlined in LEED Green Building Rating System, version 2.1 Energy and Atmosphere credit 1).

- PREMISE lighting solutions utilize high efficiency electronic ballasts and energy efficient technologies such as T5 and T8 lamps.

MATERIALS AND RESOURCES

Resource Reuse -
5% - 10%
Credit 3.1, 3.2 (1-2 pts)

Intent: Reuse building materials and products in order to reduce demand for virgin materials and reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.

Requirement: Use salvaged, refurbished, or reused materials, products and furnishings for at least 5% or 10% of building materials (1-2 pts).

- PREMISE furniture products are designed to allow easy disassembly and movement from one space to another. The ability to reuse furniture and furnishings significantly reduces F&F budgets for new spaces, with an equivalent decrease in resource demands.
- PREMISE furniture can be refurbished to extend the useful life of the product. Also, new products such as Moxie screens, banners and accessories can be mixed with pre-existing PREMISE product to update a facility.

PREMISE Impact LEED-NC

LEED-NC Credit

Intent/Requirement

PREMISE Contribution

MATERIALS AND RESOURCES

Recycled Content -
5% or 10%
Credit 4.1, 4.2 (1-2 pts)

Intent: Increase demand for building products that incorporate recycled content material, therefore reducing impacts resulting from extraction and processing of new virgin materials.

Requirement: Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the post-industrial content constitutes at least 5% -1 pt (or 10% - 2pts) of the total value of the materials in the project.

- PREMISE Enhanced monolithic panels, on average, contain 42% recycled content materials, of which an average of 20% is post consumer (core materials have variable recycled pre- and post-consumer recycled content). Stack kits vary in recycled content based on materials chosen. See the chart below for specific information.
- PREMISE panels are available in a broad array of 100% recycled polyester fabrics.
- A range of high recycled content special options for particle board and MDF are available for PREMISE case-goods, worksurfaces, table tops, and wing walls. Wheatboard¹, a 100% recycled content and rapidly renewable material, is also available as a standard option core material for worksurfaces.

Haworth Products - With Recycled Content	Total Recycled Content % BY WEIGHT	Post-Consumer Content % BY WEIGHT	Post-Industrial Content % BY WEIGHT	LEED RC (PC+1/2PI) % BY VALUE
PREMISE Enhanced Panel (Monolithic)	42%	20%	22%	31%
PREMISE Enhanced Stack Kit (NTAP)	41%	24%	17%	33%
PREMISE Enhanced Stack Kit (NTAA)	45%	21%	24%	33%
PREMISE Enhanced Super Base Panel	25%	18%	7%	22%

Regional Materials -
20% manufactured regionally
Credit 5.1 (1 pt)

Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation.

Requirement: Use a minimum of 20% of building materials and products that are manufactured regionally within a radius of 500 miles.

- PREMISE products are produced in Holland and Big Rapids, Michigan. PREMISE systems and casegood products are manufactured within a 500 mile radius of approximately 50% of the population of the United States. Contribution to this credit depends on the location of the project.

¹ Wheatboard is currently a special order option for worksurface and drawer front core materials. Wheatboard will be available as a standard option core material (instead of a special order material) by fourth quarter 2005.

PREMISE Impact LEED-NC

LEED-NC Credit

Intent/Requirement

PREMISE Contribution

MATERIALS AND RESOURCES

Rapidly Renewable Materials
Credit 6 (1 pt)

Intent: Reduce the use and depletion of finite raw and long-cycle renewable materials by replacing them with rapidly renewable materials.

Requirement: Use rapidly renewable building materials and products (made from plants that are typically harvested within a ten-year or shorter cycle) for 5% of the total value of all building materials and products used in the project.

- Wheatboard, manufactured from wheat straw, is a rapidly renewable material that is available as an optional core material for PREMISE systems worksurfaces and a special order core material for drawer fronts for casegoods and storage.

Certified Wood
Credit 7 (1 pt)

Intent: Encourage environmentally responsible forest management.

Requirement: Use a minimum of 50% of wood-based materials and products, certified in accordance with the Forest Stewardship Council's (FSC) Principles and Criteria, for wood building components including, but not limited to, structural framing and general dimensional framing, flooring, finishes, furnishings, and non-vented temporary construction applications such as bracing, concrete form work, and pedestrian barriers.

- PREMISE veneer worksurfaces, panel stackable pads, OSU fronts and case-good drawer fronts are available in FSC certified wood. PREMISE wood panel trim is not available in FSC certified wood at this time.
- Substitution of wheat board for particleboard in PREMISE wood casegoods, work surfaces and file and storage fronts reduces the wood content of a project (wheatboard is a non-wood agrifiber by-product), increasing the impact of FSC woods specified, making it easier to achieve 50% FSC wood used.

PREMISE Impact LEED-NC

LEED-NC Credit

Intent/Requirement

PREMISE Contribution

INDOOR ENVIRONMENTAL QUALITY

Daylight and Views
Daylight 75%, Views 90% of Spaces
Credit 8.1, 8.2 (1-2 pts)

Intent: Provide for the building occupants a connection between indoor spaces and the outdoors with daylight and views into regularly occupied areas of the building.

Requirement:

- Credit 8.1 - Achieve a minimum Daylight Factor of 2% (excluding all direct sunlight penetration) in 75% of space occupied for critical visual tasks. (1 pt)
- Credit 8.2 - Achieve direct line of sight to vision glazing for building occupants from 90% of all occupied spaces. (2 pts)

- Thoughtful design, variation of panel heights, selection of vision glazing panels, use of negative space, and proper orientation of PREMISE products in workspaces help provide the access to daylighting and preservation of view corridors necessary to meet the requirements of this point.

Intent and requirement information is paraphrased from the U.S. Green Building Council publication "Green Building Rating System for New Construction and Major Renovations, Version 2.0". For exact wording consult the U.S.G.B.C website at www.usgbc.org.

ADDITIONAL INFORMATION

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Useful Links:

US Green Building Councilwww.usgbc.org

Canada Green Building Councilwww.cagbc.ca

LEED Informationhttp://www.usgbc.org/leed/leed_main.asp

USGBC Chapter Pagehttp://www.usgbc.org/Chapters/chapters_main.asp

LEED Certified Projects Listhttps://www.usgbc.org/LEED/Project/project_list.asp

LEED Registered Projects Listhttps://www.usgbc.org/LEED/Project/project_list_registered.asp

LEED Professional Accreditation Pagehttp://www.usgbc.org/LEED/Accredited_Pros/professionalaccred.asp