

# Knoll and Sustainable Design Currents® LEED® Credits

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# Currents®

Designed by Robert Reuter and Charles Rozier, Currents provides a portfolio of high performance spine-based and freestanding furniture designed to enhance traditional office systems. Currents is GREENGUARD™ Indoor Air Quality Certified.

## Clean Manufacturing Technologies

- Water-based adhesives used to adhere laminate to substrate virtually VOC-free
- Powder coating on metal components has resin usage rate of up to 95%
- Powder coating on metal and wood virtually VOC-free
- UV-cured wood coatings virtually VOC-free

## Materials

- 20-30% recycled content steel
- 70-100% recycled content aluminum
- 100% recycled content particleboard
- FSC-certified materials optional
- Available with 100% recycled content fabric
- Steel and aluminum components recyclable

# Commercial Interiors

The sustainable design of the *Currents* office system can help customers achieve the following Commercial Interiors LEED Credits:

- EA Credit 1.1 - Optimize Energy Performance, Lighting Power

**Intent:** Achieve increasing levels of energy conservation below the pre-requisite standard to reduce environmental impacts associated with excessive energy use.

**The standard *Currents* task light is high efficiency with electronic ballast.**

- MR Credit 3.3 - 30% Furniture and Furnishings

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

***Currents* is designed to be refurbished for a second life and new product is designed to be integrated with existing furniture systems.**

- MR Credit 4.1 and 4.2 - Recycled Content

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

**The standard *Currents* office system has a recycled content of more than 40 percent.**

# Commercial Interiors

- MR Credit 5.1 and 5.2 - Regional Materials

**Intent:** Increase the demand for building materials and products that are extracted and manufactured within the region.

**Help with this point will depend on project location.**

- MR Credit 6.0 - Rapidly Renewable Materials

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

**Bamboo veneer can be selected to construct worksurfaces.**

- MR Credit 7.0 - Certified Wood

**Intent:** Encourage environmentally responsible forest management.

**The wood materials used to construct *Currents* can be chain-of-custody-certified from FSC-certified forests.**

# Commercial Interiors

- EQ Credit 4.5 - Low-Emitting Materials, Furniture and Furnishings

**Intent:** Reduce the use of furniture assemblies that may release indoor air contaminants that are odorous or potentially irritating and might be deleterious to installer and occupant health, comfort and well-being.

**Currents is GREENGUARD™ Indoor Air Quality Certified.**

- EQ Credit 8.1, 8.2 and 8.3 - Daylight and Views

**Intent:** Provide for the occupants a connection between indoor spaces and the outdoors through the instruction of day light and views into the regularly occupied area of the tenant space.

**Currents can be specified with glazing and panel heights to help achieve these points.**

# New Construction

The Sustainable Design of the *Currents* System can help customers achieve the following New Construction LEED Credits:

- MR Credit 3.1 and 3.2 - Materials Reuse

**Intent:** Reuse building materials and products in order to reduce demand for virgin materials and to reduce waste.

***Currents* is designed to be refurbished for a second life, and new product is designed to be integrated with existing furniture systems.**

- MR Credit 4.1 and 4.2 - Recycled Content

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

**The standard *Currents* office system has a recycled content of more than 40 percent.**

- MR Credit 5.1 and 5.2 - Regional Materials

**Intent:** Increase the demand for building materials and products that are extracted and manufactured within the region.

**Help with this point will depend on project location.**

# New Construction

- MR Credit 6.0 - Rapidly Renewable Materials

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

**Bamboo veneer can be selected to construct worksurfaces.**

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**Intent:** Provide for the occupants a connection between indoor spaces and the outdoors through the instruction of day light and views into the regularly occupied area of the tenant space.

***Currents* can be specified with glazing and panel heights to help achieve these points.**

# Existing Building

The Sustainable Design of the *Currents* System can help customers achieve the following Existing Building LEED Credits:

- MR Prerequisite 1.3 - Waste Management

**Intent:** Establish a source reduction program to reduce creation of waste and a recycling program to reduce waste stream.

**Low-mercury lighting is supplied with the *Currents* office system. Lighting with a mercury content of less than 90 picograms/lumen hour of light output can be supplied.**

- MR Credit 2.1, 2.2, 2.3, 2.4 and 2.5 - Optimize Use of Alternative Materials

**Intent:** Reduce the environmental impacts of the materials acquired for use in the operations and maintenance of buildings and in the upgrading of building services.

***Currents* can help in the following areas:**

- **Contains at least 10% post-consumer or 20% post-industrial material.**
- **Can be ordered with rapidly renewable work surfaces.**
- **Can be ordered with FSC certified wood.**

***Currents* has a recycled content of more than 40 percent.**

# Existing Building

- MR Credit 4.0 - Sustainable Cleaning Products and Materials

**Intent:** Avoid exposure of building occupants and maintenance personnel to potentially hazardous chemical, biological and particle contaminants, which adversely impact air quality, health, building finishes and systems, and the environment.

**Currents is designed to be cleaned with low environmental impact cleaning fluids.**

- EQ Credit 8.1, 8.2, 8.3 and 8.4 - Daylight and Views

**Intent:** Provide for the occupants a connection between indoor spaces and the outdoors through the instruction of day light and views into the regularly occupied area of the tenant space.

**Currents can be specified with glazing and panel heights to help achieve these points.**