

LEED® Credits: New Construction v2.2 & v3.0

Template™

CI ○
EB v2 ○
EB v3 ○
NC ●

Template consolidates a range of storage options, defines space in the open plan environment, and creates efficient open plan and private offices. Template is GREENGUARD Indoor Air Quality® certified and SMaRT® Sustainable Gold certified.

Clean Manufacturing Technologies

- ▶ Water-based adhesives used to adhere laminate to substrate 99% VOC-free.
- ▶ Powder coating on metal virtually VOC-free.
- ▶ Powder and UV-cured wood coatings virtually VOC-free.

Materials

- ▶ 20–24% recycled content steel.
- ▶ 15–20% recycled content aluminum.
- ▶ Steel and aluminum components recyclable.
- ▶ Recycled content particleboard.
- ▶ FSC-certified standard for laminate and North American veneer surfaces.
- ▶ Screens available with recycled content fabric.

The sustainable design of Template can help customers achieve the following New Construction LEED Credits:

Core Areas

MR Credit 3.1 and 3.2 – Materials Reuse 5%, 10%

Intent: Reuse building materials and products in order to reduce demand for virgin materials and to reduce waste. Template 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 Template office system has a combination of post-consumer and ½ post-industrial recycled content that is greater than 20%.

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 7.0 – Certified Wood

Intent: Encourage environmentally responsible forest management.

- ▶ The wood materials used to construct Template are FSC chain-of-custody-certified when using laminate or North American veneer surface

EQ Credit 8.1 and 8.2 – Daylight and Views

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

- ▶ Template can be specified with glazing and panel heights to help achieve these points.

Supplementary Areas

MR Credit 2.1 and 2.2 – Construction Waste Management

Intent: Divert 50–75% construction, demolition and land-clearing debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.

- ▶ Knoll packing materials include corrugated cardboard, expanded polystyrene foam and wood pallets. These materials are recyclable in many markets, which can reduce landfill disposal.

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.

continued

Innovation in Design

ID Credit 1.1 – 1.4

Intent: To provide building operation, design teams and projects the opportunity to be awarded points for exceptional performance above the requirements set by the LEED–NC Rating System and/or innovative performance in Green Building categories not specifically addressed by LEED–NC Rating System.

Low Emitting Materials – Systems Furniture & Seating (LEED CI v2/v3 EQc4.5)

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.

- ▶ Template is GREENGUARD Indoor Air Quality Certified®.

SMaRT® Certification, Template

Knoll currently has several products with SMaRT Certification and others in process. Template, Calibre Storage, Life, Chadwick, Moment and Generation by Knoll have all been SMaRT certified and can be used for this credit. Unlike other certification programs, SMaRT is a transparent, quantified sustainable product standard that measures environmental impacts throughout the global supply chain. SMaRT (Sustainable Materials Rating Technology) Sustainable Product Standards were approved on May 4th, 2007 as part of the LEED Green Building Rating System based on their compliance with 24 comprehensive sustainable product certification criteria. <http://mts.sustainableproducts.com>

SMaRT Certification requires:

The completion of a Life Cycle Assessment (LCA) process, which ensures that all key materials and processes are captured and converted into environmental impacts.

- ▶ GREENGUARD for Children and Schools Product Certification.
- ▶ No polyvinyl chloride (PVC) or other toxic chemicals.

Comprehensive Ergonomic Policy + Program

The USGBC has approved the implementation of a comprehensive ergonomic program as an innovation credit. Knoll products, such as task seating, monitor arms and keyboard trays, can contribute to this point along with an ergonomic training program for employees, which Knoll can provide.

Toxic Material Source Reduction: Reduced Mercury in Light Bulbs (LEED EB v2 MRp2)

Sustainable Purchasing: Reduced Mercury in Light Bulbs (LEED EB v3 MRc4.0)

Low-mercury lighting is supplied with products specified. Lighting with a mercury content of less than 90 picograms/lumen hour of light output can be supplied. 48-inch and 60-inch wide task lights only. Phillips lights available as special in all sizes except 18-inch wide.

Sustainable Cleaning Products and Materials (LEED EB v2 MRc4)

Sustainable Cleaning Products and Materials (LEED EB v3 EQc3.4-3.6)

Knoll products are designed to be cleaned with low environmental impact cleaning fluids.