

## HOW DIRTT PLAYS IN LEED V4

The two main categories in LEEDv4 that apply to DIRTT are Materials and Resources (MR) and Indoor Environmental Quality (EQ). Below is a summary of CI credits that DIRTT can contribute to.

**MRc1: Long term commitment (max. 10 years for interior).** DIRTT provides solutions that are adaptable to changing requirements while also providing the long-lasting qualities required to meet this credit.

**MRc2: Life cycle impact reduction.** This credit is intended to encourage adaptive reuse and to optimize environmental performance of products and materials. Option 3 in this credit was written specifically to recognize the benefits of premanufactured, modular assemblies such as DIRTT's. The credit states an interior must use at least three of the following avenues for achieving flexibility:

- Install accessible floor or ceiling systems for at least 50% of the project floor area;
- Design at least 50% of interior non-structural walls, ceilings, and floors to be movable or demountable;
- Ensure that at least 50% of non-structural materials by cost are reusable or recyclable; or
- Implement flexible power distribution (i.e. plug and play) systems for at least 50% of the floor area so that lighting, data, voice and other systems can be easily reconfigured and repurposed.

**MRc3: Building product disclosure.** Using Environmental Product Declarations (EPDs), we can educate designers and clients about material content. DIRTT's EPDs meet the requirements for maximum credits as product-specific Type III EPDs.

**MRc4: Sourcing Raw Materials.** This credit requires that at least one of 6 options are met for at least 25% by cost of the total value of permanently installed products. DIRTT can contribute to numerous options.

- Cotton-denim insulation and Xorel fabric offer bio-based content.
- DIRTT offers FSC MDF and Veneer options.
- Recycled content is present in many of our materials in varying amounts. For detailed information or a material breakdown, please contact the green team.

**MRc5: Material Ingredients.** Health product declarations encourage transparency in material ingredient reporting. DIRTT has several HPDs for materials used.

**MRC6: Construction and demolition waste management.** This credit requires total waste materials at the project site to be reduced to 2.5 pounds per square foot (12.2 kg per square meter) of building floor area. Pre-manufactured interiors, such as DIRTT, are essential to achieving this.

**IEQc2: Low emitting materials.** DIRTT has numerous tested and certified assemblies that meet ANSI/BIFMA furniture emission standards (7.6.1 7.6.2) and CA 01350. The following assemblies are SCS Indoor Advantage Gold certified:

- Glass & Aluminum walls
- No Added formaldehyde (NAF) MDF and chromacoat tiles

- Magnetic marker board on NAF MDF
- Thermofoil tiles on standard or NAF MDF
- Fabric tiles on NAF MDF
- Veneer on NAF MDF with green Gator Board backing
- Willow glass with NAF MDF
- WriteAway tile
- Millwork drawers
- MGO raised flooring assembly

**Regional Priority.** DIRTT has a distributed manufacturing strategy with four factories located throughout North America. This increases the opportunity for projects to be sourced and manufactured within the 160 km (100 mile) radius set by LEED.

For more information, contact the [Greenteam@dirtt.net](mailto:Greenteam@dirtt.net).