

# Kirei Design Materials & LEED v4

**LEED™ IS A SET OF GREEN BUILDING STANDARDS DEVELOPED BY THE US GREEN BUILDING COUNCIL.**

There are multiple categories with points available for various green building techniques and material usage. By accumulating points, projects can qualify for varying levels of LEED Certification. Points are scored by satisfying the requirements of each credit within a given category. For more information about LEED™, please visit [www.usgbc.org](http://www.usgbc.org). Kirei EchoPanel also can be found in the mindful Materials™ online library. Visit [mindfulmaterials.com](http://mindfulmaterials.com) for more information.

Kirei products are manufactured with rapidly renewable and recycled content, as well as low- or no-added-urea-formaldehyde adhesives, and can help projects gain LEED™ v4 Green Building credit in the following areas:

## **KIREI BOARD**

- MR**      **Building product disclosure and optimization - Sourcing of raw materials**
  - Option 2: Pre-consumer recycled content 90% - sorghum straw.
  
- MR**      **Building product disclosure and optimization - Material ingredients**
  - Kirei Board has a self-declared Health Product Declaration (HPD).
  
- EQ**      **Low-emitting materials**
  - Meets California Air Resources Board ATCM for ultra-low-emitting formaldehyde (ULEF) resins or no added formaldehyde resins.

## **KIREI BAMBOO**

- MR**      **Building product disclosure and optimization - Material ingredients**
  - Kirei Bamboo has a self-declared Health Product Declaration (HPD).
  
- EQ**      **Low-emitting materials**
  - Below limit in California Air Resources Board ATCM for formaldehyde requirements.
  
- EQ**      **Interior Lighting**
  - Indirect – if use “Natural” finish.

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## KIREI COCO TILES

- MR**      **Building product disclosure and optimization - Sourcing of raw materials**
- Option 2: Approximately 70% post-industrial recycled content – coconut shells reclaimed after harvest.
- MR**      **Building product disclosure and optimization - Material ingredients**
- Kirei Sumatra and Java Coco Tiles have self-declared Health Product Declaration (HPD).
- EQ**      **Interior Lighting**
- Indirect – if use “Natural” finish.

## ECHOPANEL

- MR**      **Building product disclosure and optimization – Material ingredient reporting**
- Option 1: EchoPanel has a self-declared Health Product Declaration (HPD).
  - Option 1: EchoPanel is participating in the Declare Label program
- MR**      **Building product disclosure and optimization – Sourcing of raw materials**
- Option 2: EchoPanel is made with 60 percent post-consumer recycled PET.
- EQ**      **Schools minimum acoustic performance**
- EchoPanel products can achieve an NRC rating greater or equal to .70 (relevant to classroom areas less than 20,000 square feet). NRC-rated materials may assist with reaching reverberation time standard (relevant to classroom areas more than 20,000 square feet).
- MR**      **Construction waste management**
- Use the EchoPanel take-back program to increase diversion percentage.
  - Specify Mura tiles, Geometry tiles or EchoPanel Systems to show reduced waste at the site. (No cutting or fabrication on site that would create scrap.)
- EQ**      **Low emitting materials**
- BD+C: VOC's less than 0.25 mg/m<sup>3</sup>.
  - EchoPanel passed recent CDPH emissions testing.

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## **ECHOPANEL**

### **MR ID+C**

### **MR BD+C**

#### **Interiors life cycle impact reduction**

- Building Life-Cycle Impact Reduction
- ID+C Option 2: Reuse EchoPanel Wrap & Paling modular dividers.
- ID+C Option 3: Design with EchoPanel Wrap & Paling modular dividers to design for flexibility.
- Design with EchoPanel sheets to allow for access to systems and flexible space.
- Design with EchoPanel for flexible or movable walls and ceilings.
- BD+C Option 3: Reuse EchoPanel products.

### **EQ**

#### **Interior lighting**

- Indirect – if use light finishes.