

# 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 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.

## KIREI COCO TILES

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

# KIREI DESIGN MATERIALS & LEED v4

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

Kirei EchoPanel® products are manufactured with recycled content and can help projects gain LEED™ v4 Green Building credit in the following areas:

## ECHOPANEL

- MR Building product disclosure and optimization – Material ingredient reporting**
- Option 1: EchoPanel has a self-declared Health Product Declaration (HPD).
- 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.)
- 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.
  - BD+C Option 4: For whole-building life-cycle assessment, use EcoSpecifier GreenTag reporting.
- EQ Low emitting materials**
- BD+C: VOC's less than 0.25 mg/m<sup>3</sup>.
- EQ Interior lighting**
- Indirect – if use light finishes.

# KIREI DESIGN MATERIALS & LEED 2009

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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™ 2009 Green Building credit in the following areas:

## KIREI BOARD

### MR 4.1/4.2 Recycled content

- Minimum 90% post-industrial recycled material: Sorghum straw.

### MR 6 Rapidly renewable materials

- Manufactured with rapidly renewable raw material: Sorghum straw grown in yearly harvest cycle.
- Minimum 90% rapidly renewable material in Kirei Board.

### EQ 4.4 Low-emitting materials: Composite wood

- No-added-urea formaldehyde.

## KIREI BAMBOO

### MR 6 Rapidly renewable materials

- 90% rapidly renewable material - Fast-growing Moso Bamboo.

### EQ 4.4 Low-emitting materials: Composite wood

- Kirei Zero™ bamboo products utilize no-added-urea-formaldehyde adhesives that qualify for low-emitting material credits. If your project would benefit from this credit, please specify Kirei Zero™ bamboo panels or veneer.

## KIREI COCO TILES

### MR 4.1/4.2 Recycled content

- Approximately 70% post-industrial recycled material: Coconut shells.

### MR 6 Rapidly renewable materials

- Manufactured with rapidly renewable raw material: Coconuts grown in yearly harvest cycle.
- Approximately 70% rapidly renewable material in Kirei Coco Tiles.

## KIREI ECHOPANEL

### MR 4/4.1 Recycled content

- EchoPanel is made with 60% post-consumer recycled PET.

### MR Pilot Credit 62 Disclosure of chemicals of concern

- Self-declared Health Product Declaration (HPD).

### MR Pilot Credit 76 Material ingredient reporting.

- Self-declared Health Product Declaration (HPD).

### IEQ Pilot Credit 3 LEED for Schools minimum acoustical performance

- NRC-rated materials may assist with reaching reverberation time standard. (Classroom areas more than 20,000 square feet.)
- EchoPanel 7mm with 50mm air gap; 12mm with 50 mm air gap; or 24 mm with 20 or 50 mm air gap provide NRC ratings of .70 or greater. (Classroom areas less than 20,000 square feet.)

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