



Environmental Advantages:

Kirei Board is manufactured from reclaimed agricultural fiber from the Sorghum plant grown around the world for food. The sorghum stalks are a rapidly renewable resource left after the edible part of the plant is harvested. Kirei Board helps reduce waste by utilizing stalks that would otherwise be discarded or burned, adding to landfill waste and pollution. Minimal amounts of wood are used as bonding strips, greatly reducing the need for newly harvested wood for building.

The Kirei factory is located in the center of the agricultural area where the sorghum used in its construction is grown. This reduces shipping time and energy consumption, and brings a new source of revenue to the farmers of the region. In addition, the factory uses low-energy processes with minimal wastewater and air emissions.

The stalks left over after harvest are heat-pressed with a non-toxic adhesive to form lightweight, strong, unique Kirei Board. Kirei board is made using a non-toxic adhesive that does not emit toxic formaldehyde. Kirei Board emits only trace amounts of naturally occurring formaldehyde existing in all organic materials. Using Kirei Board and low-VOC finishes helps reduce these formaldehyde emissions and contribute to a healthier indoor environment.

Applications:

Kirei is strong and lightweight, and is an excellent substitute for wood in nearly any finished product. It can be used for wall covering, cabinetry, furniture, flooring, paneling, restaurant interiors, interior wall coverings, office dividers, home decoration, ceilings, architectural millwork, interior design, and retail displays.

Kirei is an easily worked material, and is machinable using standard fabrication techniques applicable for wood based products. Kirei Board has excellent dimensional stability and screw holding power, resisting warping and allowing solid attachment of cabinet hardware. Kirei Board can be finished with nearly any water, oil or urethane-based paint, lacquer, or stain, using standard woodworking techniques.

Our Stock:

3' x 6' x 10mm

3' x 6' x 20mm

3' x 6' x 30mm

For more information on Kirei Board, please visit www.kireiusa.com, or contact Bettencourt Green Building Supplies at 800-883-7005.



Using Kirei Board is an excellent way to qualify your project for LEED credit

Related LEED Credits:

Materials and Resources - Credit 4 - Recycled Content

Materials and Resources - Credit 6 - Rapidly Renewable Resources

Indoor Environmental Quality - Credit 4.1 Low-emitting adhesives and sealants

Supporting documentation for LEED certification is available upon request.