

**IAR Library 06.40.00 Ki 2011**  
**Wood Composite**  
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<b>PRODUCT INFORMATION</b>	<b>TYPE OF PRODUCT</b>	Wood
	<b>COMPANY NAME</b>	Kirei
	<b>PRODUCT/COLLECTION NAME</b>	Kirei Board
	<b>DESCRIPTION</b>	Wood substitute for furniture, cabinetry, casework, and interior design elements
<b>MATERIAL FEEDSTOCK</b>	<b>MATERIAL CONTENT</b>	Sorghum straw Adhesive
	<b>RECYCLED CONTENT %</b>	Minimum 90% post-industrial recycled material (Sorghum straw)
	<b>RAPIDLY RENEWABLE CONTENT %</b>	Yes, Minimum 90% rapidly renewable material Sorghum straw grown in yearly harvest cycle  Kirei panels use rapidly renewable and reclaimed agricultural fibers to create unique, environmentally friendly interior design materials. Kirei Board, Kirei Coco Tiles and Kirei Wheatboard are manufactured using reclaimed agricultural fiber from the Sorghum, Coconut and Wheat plants grown around the world for food. After harvest the stalks or coconut husks are usually burned or thrown into landfills. By using them in the production of Kirei Board, Kirei Coco Tiles and Kirei Wheatboard this material is removed from the waste stream, reducing landfill use and air pollution, while giving rural farmers a new source of revenue from previously unused waste material. Rapidly renewable or FSC-certified wood are used as bonding strips, greatly reducing the need for newly harvested wood for building.
	<b>HARMFUL ADDITIVES</b>	Low-Emitting adhesive – no added urea formaldehyde No testing for pesticides
	<b>HARMFUL EMISSIONS</b>	None
	<b>EMISSION STRENGTH OVER TIME</b>	0
	<b>TREATMENTS</b>	Low VOC
<b>MANUFACTURING</b>	<b>MANUFACTURING PROCESS</b>	The Sorghum stalks used in the manufacture of Kirei board are a rapidly renewable resource left after the edible portion of the plant is harvested. Made using KR Bond, a non-toxic water-based polymer-isocyanate adhesive that does not emit VOCs. (testing according to Japanese Government standard JIS A)
	<b>HARMFUL EMISSIONS</b>	Low
	<b>LOCATION OF MANUF. PLANT</b>	Northern China – Materials sourced within 500 mi.
	<b>TESTS/CODES</b>	Has the material met the testing requirements for certifications?
	<b>3<sup>RD</sup> PARTY CERTIFICATION</b>	None Stated
<b>INSTALLATION</b>	<b>INSTALLATION PROCEDURE</b>	Treat as wood
	<b>INSTALLATION ADHESIVES</b>	None
	<b>UNIT COST</b>	N/A
	<b>LIFE CYCLE ANALYSIS EXTRACTION</b>	What are the financial costs for the material? Is the product energy efficient?
	<b>END OF SERVICE LIFE</b>	Recycle as you would a wood product
<b>MISC. PROPERTIES</b>	<b>QUALITIES/PROPERTIES OF PRODUCT</b>	Strong, lightweight, durable
	<b>MISC. COMMENTS</b>	Shipped on Recycled pallets in recycled cardboard containers Board comes unfinished
	<b>CONTRIBUTION TO LEED POINTS</b>	MR 4.1/4.2 MR 6 EQ 4.4
<b>COMPANY PROFILE</b>	<b>GREEN PHILOSOPHY</b>	Kirei is a Japanese word signifying many meanings, including Beautiful, Clean, Pure and Truthful. These combined meanings are the starting point for our philosophy, which is to bring beautiful, natural materials to today's contemporary designers. Each of our products uses reclaimed, non-toxic materials to lessen our impact on natural resources and contribute to a beautiful, clean, healthy indoor environment. These principles also apply to the way we run our company, using recycled products and efficient, sustainable practices.
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<b>MAINTENANCE</b>	<b>AFTER INSTALLATION</b>	Clean as necessary