

IAR Library 06.40.00 Ki 2010
Wood Composite
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PRODUCT INFORMATION	TYPE OF PRODUCT	Wood
	COMPANY NAME	Kirei
	PRODUCT/COLLECTION NAME	Kirei Board
	DESCRIPTION	Wood substitute for furniture, cabinetry, casework, and interior design elements
MATERIAL FEEDSTOCK	MATERIAL CONTENT	Sorghum straw Adhesive
	RECYCLED CONTENT %	Minimum 90% post-industrial recycled material (Sorghum straw)
	RAPIDLY RENEWABLE CONTENT %	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.
	HARMFUL ADDITIVES	Low-Emitting adhesive – no added urea formaldehyde No testing for pesticides
	HARMFUL EMISSIONS	None
	EMISSION STRENGTH OVER TIME	0
	TREATMENTS	Low VOC
MANUFACTURING	MANUFACTURING PROCESS	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)
	HARMFUL EMISSIONS	Low
	LOCATION OF MANUF. PLANT	Northern China – Materials sourced within 500 mi.
	TESTS/CODES	Has the material met the testing requirements for certifications?
	3RD PARTY CERTIFICATION	None Stated
INSTALLATION	INSTALLATION PROCEDURE	Treat as wood
	INSTALLATION ADHESIVES	None
	UNIT COST	N/A
	LIFE CYCLE ANALYSIS EXTRACTION	What are the financial costs for the material? Is the product energy efficient?
	END OF SERVICE LIFE	Recycle as you would a wood product
MISC. PROPERTIES	QUALITIES/PROPERTIES OF PRODUCT	Strong, lightweight, durable
	MISC. COMMENTS	Shipped on Recycled pallets in recycled cardboard containers Board comes unfinished
	CONTRIBUTION TO LEED POINTS	MR 4.1/4.2 MR 6 EQ 4.4
COMPANY PROFILE	GREEN PHILOSOPHY	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.
	CONTACT	Jake@kireiusa.com (p) 619.236.9924 (f) 240.220.5946

MAINTENANCE	AFTER INSTALLATION	info@kireiusa.com Kirei USA 412 N. Cedros Ave. Solana Beach, CA 92075 Kireiusa.com Clean as necessary
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