

Kirei Canamo

natural industrial



Lightweight
substrate or new
designer panel?
You decide...



What's old is new again: Hemp has long been one of our most important industrial fibers: the American Declaration of Independence was written on hemp paper, and it was mandatory for early American citizens to grow hemp plants for sailcloth and rope. Now hemp's versatility returns in our new Kirei Canamo Hemp panels, used for ceiling panels, architectural millwork and more. Made from the reclaimed hemp hurd fiber left over from fabric manufacture and a No-Added-Urea-Formaldehyde resin, Kirei Canamo Hemp panels are a new blank slate for designers and fabricators to create with.

Use **Kirei Canamo Hemp Panels** in architectural, millwork and finished product applications:

Architectural Millwork	Interior Design
Wall Covering	Cabinetry
Retail Displays	Flooring
Restaurant/Hotel	Furniture / Finished Products

Kirei and Green Building

Kirei design elements can help your projects gain multiple LEED and other green building credits for environmentally friendly construction.

The Tao of Kirei:

Pronounced "Key'-ray," Kirei is the Japanese character signifying "clean" or "beautiful."

We have chosen Kirei as the name for our company to reflect our dedication to the principles of elegant, sustainable design.

kirei 

For Sales & Product Information:

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Kirei Canamo Hemp Panel Specifications:

Use Kirei Canamo Hemp Panels in ceilings, millwork, cabinetry and finished product applications for a sustainable design alternative. Kirei Canamo Hemp Panels can be painted, finished or left raw depending on your final design needs.

Physical Specifications:

Panel Size	48" x 96"	
Thickness	1/4", 1/2", 5/8", 11/16", 3/4", 1"	
<i>Custom sizes & thicknesses available</i>		
Sheet Weights	1/2"	66 lbs
	5/8"	82.7 lbs
	11/16"	91.50 lbs
	3/4"	99 lbs
	1"	122 lbs
Density	800kg/m3 +/- 50 kg/m3	
	50 lbs ft3 +/- 3lbs/sq ft.	
<i>(Average across sheet thicknesses)</i>		

Physical Properties:

Modulus of Rupture	1800mm	200kg3/cm2
	900mm	75 kg3/cm2
Modulus of Elasticity	1800mm	2.80 x 10 kg3/cm2
	900mm	0.78 x 10 kg3/cm2
Fire Rating	Class C	

Kirei panels are composed of natural raw materials and may show color variation.

All Kirei panels come unfinished.

Ceiling Panels

Kirei Canamo Hemp Ceiling is a sustainable panel with acoustic dampening properties, usable in drop ceilings or attached to drywall.

Available in 2'x2' and 2'x4' panels in flat and tegular edges for use with most ceiling systems.



Environmental Benefits

Kirei Canamo Panels are fabricated using reclaimed hemp hurd fiber left after fabric and seed oil manufacture, thereby reusing a waste byproduct otherwise destined for the landfill. Keeping this material out of landfills sequesters the carbon that would otherwise be released. The adhesive used has no added Urea Formaldehyde and releases no VOC emissions. Kirei Canamo helps reduce this waste and ease deforestation by substituting for wood.

Kirei Canamo Hemp Panels and LEED

Kirei Canamo Hemp Panels can be an excellent way to help your projects qualify for LEED credit for environmentally friendly construction, including:

MR 4.1/4.2	Recycled Content Over 70% post-industrial content
MR 6	Rapidly Renewable Materials Hemp is grown in a harvest cycle of 10 years or less
IEQ 4.4	Low-Emitting Materials No added urea formaldehyde

Fabrication Guidelines

Handling:

Store Kirei Canamo Hemp Panels indoors on a flat, level surface with adequate support to prevent sagging. Kirei Canamo Hemp Panels should be conditioned to the local environment prior to installation.

Fastening:

Kirei Canamo Hemp Panels are worked using standard fabricating techniques applicable for wood-based particleboard products and will accept standard fasteners including staples, screws, and standard wood glues. Fully threaded screws designed for use in particle board offer better withdrawal resistance than wood screws.

Finishing:

Kirei Canamo Hemp Panels can be finished using most standard commercial wood finishes applicable for particleboard. Check finish manufacturer specs for proper finish application instructions. The panels should be at stable room temperature when coated.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Kirei. All data including physical properties are based on averages of normal production of most common thickness. Any data provided on this sheet relates to the specific materials designated herein and is subject to change without notice. Kirei assumes no legal responsibility for the use of reliance upon this data.

