

Millwork, Casework + Cabinetry Specifications



Made of rapidly renewable flax and plant resins, Ekoa is a high-performing, bio-based composite material that's perfectly suited for gorgeous interiors & smart design.

Replaces wood, vinyl, laminate, and plastics

Cold press and vacuum bag processes

Carbon neutral, low-VOC, and petroleum-free

Strong, durable, and exceptionally stain-resistant

No buckling or warping

Made in our own factory, sheet by sheet

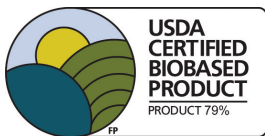
Specifications + Test Results

Specifications	Millwork – Div. 06 22 00 Specialty Casework – Div. 12 35 00
Thickness	.032" +/- .003" (.83 mm +/- .05 mm)
Density	64.9 lb/ft ³
Width	4'
Sheet Sizes	4' x 8' - 4' x 12' (Sold in 1" increments) Edgebanding available in 13/16", 7/8", 15/16"
Custom Lengths	Longer sheets available upon request
Material Composition	Red List Free
VOC Emissions	Clean Air GOLD
Chemical Composition	HPD Certification
Cleanability	Bleach Safe
Renewable Rate	90 Days
Country of Origin	USA
Acclimation	24 Hours
Backing	Cellulosic Backer
Installation	Cold-press process with PVA glue adhered to standard substrates (MDF, plywood, HDF, etc.). Lay-ups should be balanced with gator-ply, Ekoa, or similar.
Recommended Edgebanding Adhesives:	Henkel Dorus KS 351, Festool 499812 EVA
Warranty	Limited, 5-year warranty. Find details at www.ekoa.design/resources

**Not recommended for significantly wet or damp environments without prior consultation.
Seal exposed edges with waterproof sealant where water exposure is possible. Not intended
for floor-level termination — specify a resilient base at floor transitions.*

Certifications

Environment, Health, Sustainability + Materials Origin



USDA Certified
Biobased Product



Declare
Red List Free



Health Product
Declaration



mindful
Materials



Environmental Product
Declaration



Clean Air
GOLD Certified



MindClick Rated
Leader



Build America,
Buy America Compliant



PFAS
Free

Use of Ekoa may contribute
to earning LEED® credits.
Find additional information at:
www.ekoa.design/resources

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Test Results

ANSI/KCMA A161.1-2022 Cabinetry	Test Method				Result
Shrinkage and Heat Resistance	Specimens are placed at a 120° F temperature and 70% humidity for 24 hours.				Pass
Hot and Cold Check Resistance	Specimens are placed in an environmental chamber at 120° ± 5° F and 70% ± 5% humidity for one hour. The chamber then returns to room temperature and humidity for ½ hour, followed by a decrease to -6° F ± 5° F for one hour. Finally, the chamber again returns to room temperature and humidity conditions. Duration is five cycles.				Pass
Detergent and Water Resistance	A solution of 0.5% liquid dishwashing detergent was prepared. A cellulose sponge was then placed into the solution such that the sponge was protruding above the surface of the solution. The edge of the specimen was placed onto the wet sponge for 24 hours, without contacting the solution directly. Following the exposure, the specimens were dried with a clean cloth and promptly evaluated.				Pass
Chemical Resistance	Specimens exposed to various substances for 24 hours	Vinegar Lemon Juice Orange Juice Grape Juice Ketchup	Pass Pass Pass Pass Pass	Olive Oil Alcohol (100 proof) Yellow Mustard (1 hour) Household Bleach Coffee	Pass Pass Pass Pass Pass

Attribute Comparison

		Ekoa	Wood Veneer
High Performance	Impact resistant	✓	
	Cleanable	✓	
Exceptionally Sustainable	Rapidly renewable	✓	
	Carbon sequestering	✓	
	Healthy indoor air quality	✓	✓
Natural Luxury	Biophilic design	✓	✓
	Real, bio-based material	✓	✓
Easy to Install	Direct-to-drywall	✓	

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Natural Variations

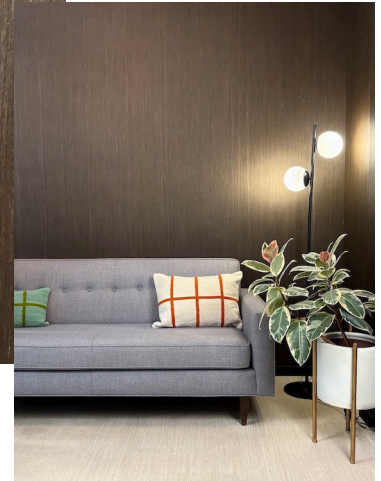
Ekoa is a sustainable composite material made from renewable flax fibers and bio-based resins. Its natural composition results in organic variations — including small stalk inclusions and occasional cross-directional fibers — that are inherent to the material and contribute to its authentic appearance. These are visible traces of the flax plant itself, not manufacturing flaws: because Ekoa is made from a natural agricultural fiber rather than a synthetic or printed material, they're expected and give each sheet its individual character.

As each Ekoa sheet is unique, these natural variations allow for seamless installation without the need for repeating patterns as found in bookmatched wood or printed laminates. Rigorous quality controls ensure consistency and prevent contrasting variants from dominating any given area of a sheet.

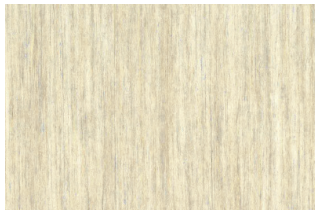
At industrial scale, eliminating natural variations would compromise the material's integrity and sustainability. We embrace these subtle differences as part of Ekoa's commitment to authenticity and environmental responsibility.



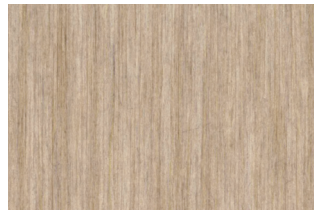
A natural stalk inclusion shown in detail, alongside the full wall of Ekoa where it appears.



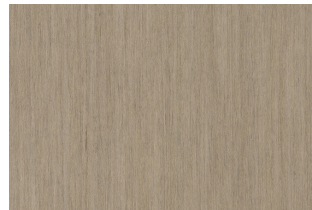
Core Collection: Color Finishes



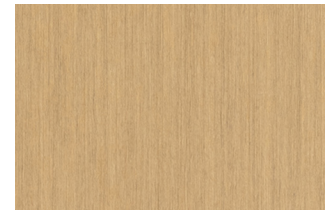
SALDO AD-A02019



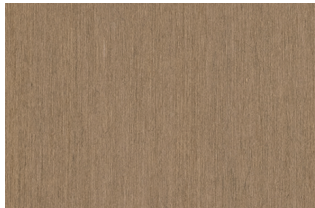
ESSENTIAL AD-A02015



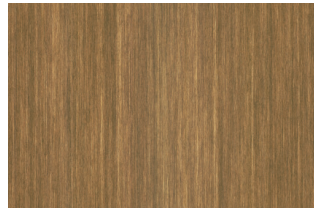
INSPIRE AD-A02021



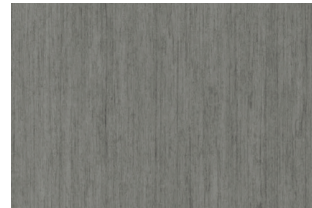
DUNE AD-A02026



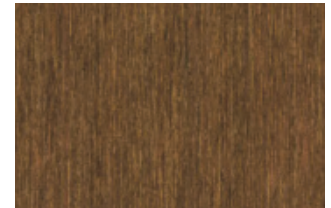
NUTSHELL AD-A03020



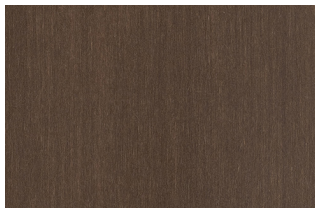
BARE AD-A01018



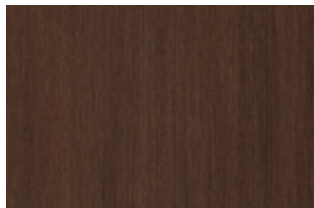
VAPOR AD-A02017



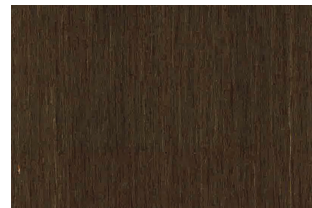
TRUE AD-A01016



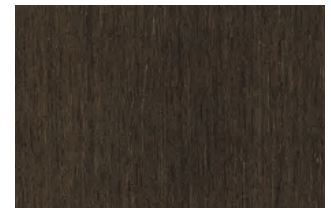
UMBER AD-A03027



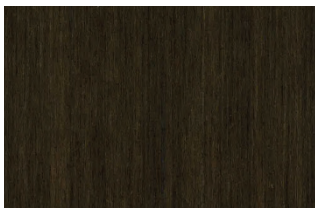
PORT AD-A04029



NAYA AD-A02022



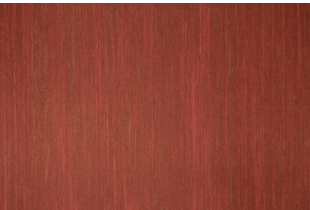
ESTERO AD-A02023



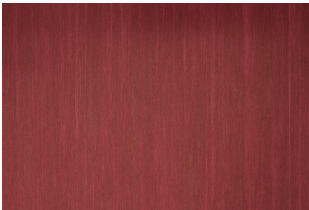
GRAPHITE AD-A03028

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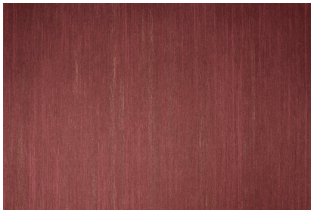
ColorBurst Collection: Color Finishes



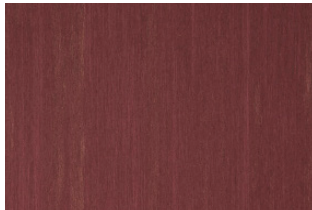
TOMATO AD-A05031



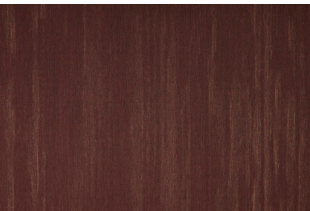
POMEGRANATE AD-A05032



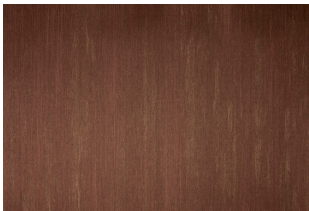
CARDINAL AD-A05033



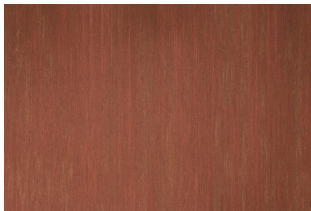
SANGRIA AD-A05034



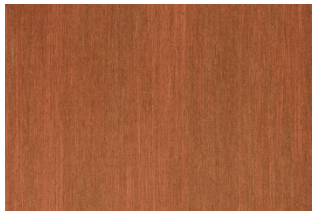
BOYSENBERRY AD-A05035



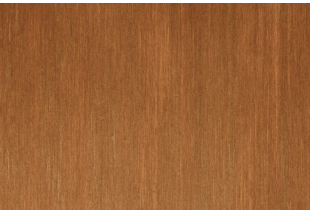
FOX AD-A05040



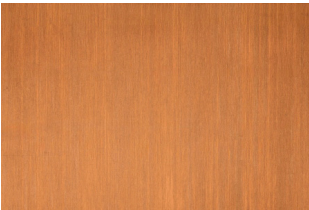
CARNELIAN AD-A05039



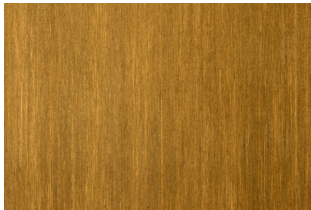
PAPRIKA AD-A05038



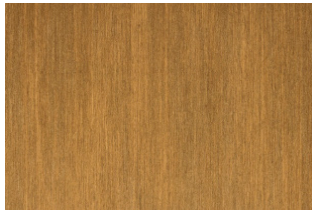
PERSIMMON AD-A05037



TIGER AD-A05036



POPPY AD-A05045



TANGELO AD-A05044



SAFFRON AD-A05041



DIJON AD-A05042



CITRON AD-A05043



BAMBOO AD-A05047



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ColorBurst Collection: Color Finishes



PEAPOD

AD-A05048



CROCODILE

AD-A05046



PARROT

AD-A05049



JADE

AD-A05050



EMERALD

AD-A05051



CANOPY

AD-A05052



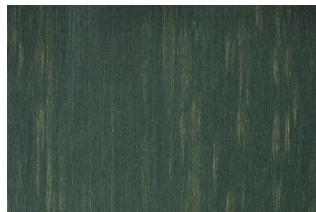
GLACIER

AD-A05057



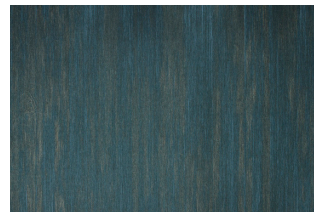
CERULEAN

AD-A05056



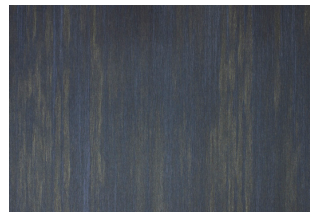
OCEAN

AD-A05053



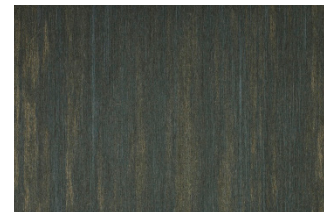
SAPPHIRE

AD-A05058



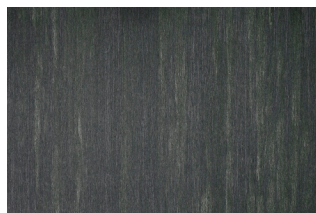
COBALT

AD-A05059



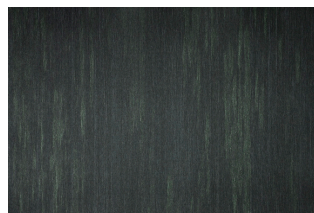
DENIM

AD-A05060



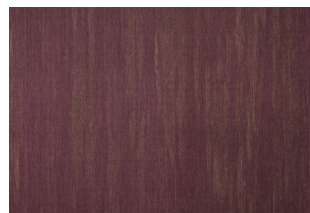
MIDNIGHT

AD-A05054



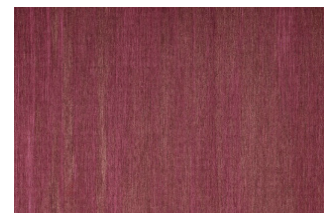
MARIANA

AD-A05055



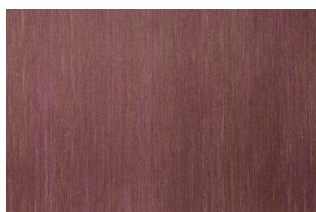
PLUM

AD-A05061



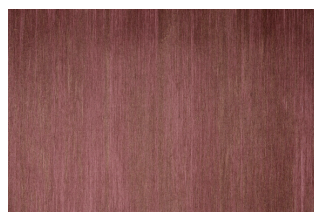
MULBERRY

AD-A05065



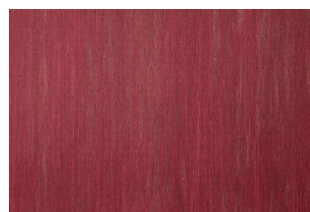
WISTERIA

AD-A05064



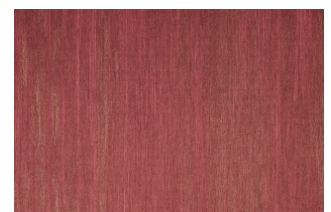
WILDBERRY

AD-A05063



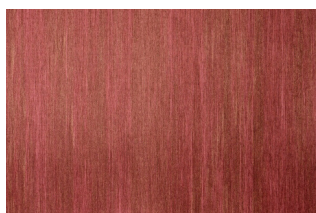
FUCHSIA

AD-A05066



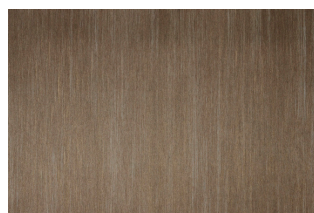
HIBISCUS

AD-A05067



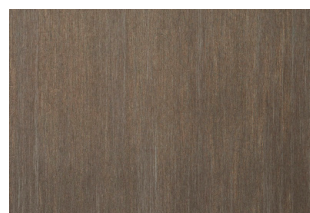
AZALEA

AD-A05062



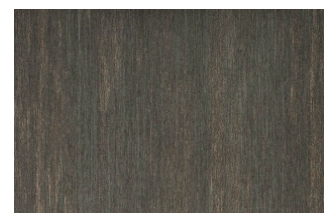
STONE

AD-A05070



SMOKE

AD-A05069



FLINT

AD-A05068

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Edge Banding

PHYSICAL PROPERTIES CHARACTERISTICS

Thickness: Typically 1/32"

Widths: 7/8", 13/16", and 15/16". Custom widths available upon request.

Length: 250ft rolls

Minimum Bend Radius: We recommend no less than a 3" bend radius or stress fractures may appear over time.

Material is not compatible with edge rounding.

APPLICATIONS

Ekoa edge banding is a sustainable and eco-friendly product that is widely used in the woodworking and furniture industries to provide a finished look to exposed edges of Ekoa-wrapped panels.

Ekoa edge banding can be used on all common substrates including:

- Plywood
- Plywood Combicore
- MDF (medium-density fiberboard)

Ekoa edge banding is designed to work with hot melt glue edge banding machines. We have successfully tested Ekoa edge banding with the following adhesives using the manufacturers recommended temperatures:

- Henkel DORUS KS 351
- Festool 499812 EVA Edge Banding Adhesive

Maximum glue temperature of application is 374° F. Use 0–10° edge bevel. Material is not compatible with edge rounding.

Perform compatibility testing with other adhesives, substrates, and your equipment prior to use to ensure quality results.

Currently, we do not offer pre-glued Ekoa edge banding for hot-air or iron-on edge banding.

STORAGE & HANDLING

Store in a cool, dry place to prevent warping and cracking. Handle with care to prevent damage to the thin strips of Ekoa material. Avoid exposure to moisture or extreme temperature fluctuations.

ADHESION

Ekoa material is non-toxic and does not pose a health risk when handled properly.

Always follow manufacturer's instructions and safety guidelines when using adhesives or finishing products.



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Basic Cleaning Info

Dust Ekoa surfaces regularly using a soft brush or microfiber cloth to help maintain appearance and extend lifespan. For smudges or stains, use a damp sponge or microfiber cloth with a mild soap or water-based cleaner. For tougher stains, a diluted bleach solution (10:1 water to bleach) may be used.

Find additional cleaning and care information at:

www.ekoa.design/resources

Stain Pen Color Mapping

When installing Ekoa with exposed edges, we recommend using a stain pen for the most finished look. Stain pens can also be used to touch up light scuffs or scratches.

	Saldo	Not Needed
	Essential	Minwax Golden Oak
	Dune	Old Masters Natural
	Inspire	Minwax Golden Oak
	Nutshell	Minwax Golden Oak
	Umber	Dewel Cherry
	Naya	Old Masters Deep Brown
	Estero	Old Masters Deep Brown
	Graphite	Dewel Black
	Vapor	Dewel Grey
	Port	Rust-Oleum Mahogany
	Bare	Minwax Golden Oak
	True	Rust-Oleum Cherry