



# EcoTop<sup>®</sup>

SURFACES



**KLIPTECH<sup>®</sup>**  
Sustainable...Without Sacrifice<sup>™</sup>

# EcoTop®

SURFACES

EcoTop®, yet another product by award-winning product creator Joel Klippert, is paving a new way of thinking in the architectural/design and building products community.

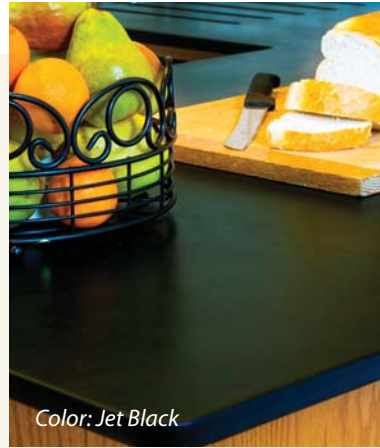
**Sustainable...Without Sacrifice™!** As a bio-composite surface material used, among other things, for counter tops, table tops, wall coverings, and partitions, EcoTop® adds practical style and elegance for both commercial and residential settings without compromising cost, durability, or performance.

## Eco Friendly

- Composed of an FSC certified fiber that is a 50/50 blend of rapidly renewable bamboo fiber blended with 100% post consumer recycled paper.
- Materials are bound together with a 100% water-based co-polymer resin formula.
- No Urea formaldehyde, no VOC's, and no benzene products used.
- Contributes towards LEED projects.

## Revolutionary

- EcoTop® is offered in rich stable colors that don't fade with UV exposure or discolor over time.
- A clear, 100% water-based binder formula allows EcoTop® to be manufactured in a wide range of colors from Snow White to Jet Black.
- The rapidly renewable bamboo fiber makes EcoTop® highly scratch resistant.
- EcoTop® is a stain resistant product that doesn't take to liquids well. Coupled with its rich color throughout the thickness of the product, this is a repairable and renewable texture AND color surface.



Color: Jet Black



*"Our number one commitment is to the health of mother earth and the satisfaction of our customer. For more than a decade we've been researching, developing, and delivering the most durable, cost effective, and quality products utilizing reclaimed and recycled content...Even before the word GREEN was anything more than a color."*

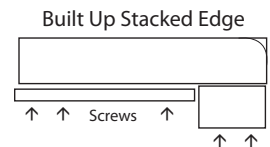
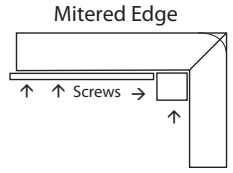
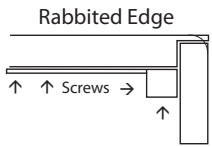
-Joel Klippert, President  
Klip BioTechnologies, Inc.



Color: Ivory

Color: Espresso

## Edge Types



## Durable

With a compressive and flexural strength rating five times that of granite; cracking, chipping, and breaking your counter top is a thing of the past. Cantilevers, overhangs, and under mounts are made simple. This is a fabricator and user friendly product with its immense strength and user friendliness. This product was brought to market first as a skate ramp, so unless your kitchen has everyday use from grown men on bikes and skates...you name it, it can hold it!

## LEED Applicability

### Materials and Resources

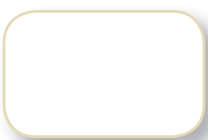
- MR credit 4 – Recycled Content:** 100% post consumer recycled paper used in EcoTop®.
- MR credit 5.1 – Regional Mfg. Materials:** Any project within 500 miles of Milwaukee.
- MR credit 5.2 – Regionally Extracted Raw Materials:** All EcoTop® raw materials are regionally extracted.
- MR credit 6 – Rapidly Renewable Content:** 50% of fiber content is rapidly renewable bamboo.
- MR credit 7 – Certified Wood Products (FSC):** 100% post consumer recycled paper is FSC certified.

## Indoor Environmental Quality

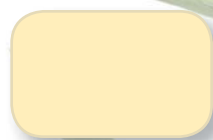
**IEQ credit 4.4 – Low Emitting Materials:** No urea formaldehyde, no benzene, no VOC's, and no heavy metals.

### EcoTop® Product Specifications

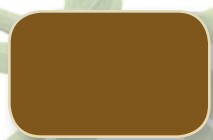
- ½" thickness only
- Size options: 30" x 96" and 48" x 96" sheet
- Weight: 3.5 lbs. per sq. ft.
- Two-thirds of overall product is fiber content



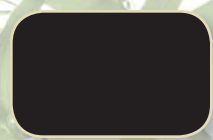
Snow White



Ivory



Espresso



Jet Black



Color: Snow White

EcoTop® has been submitted to rigorous testing to ensure it meets or exceeds all industry standards. Listed are some of the test results.

### Specifications

Property	Typical Result	Test	
Water Absorption	.075%	ASTM D 570	
Compressive Strength	52,526 psi	ASTM D 659	
Flexural Strength	41,650 psi	ASTM D 790	
Tensile Strength	28,675 psi	ASTM D 639	
Hardness	>85	ASTM D 785 (Rockwell)	
	55	ASTM D 2583 (Barber Coleman)	
Thermal Expansion	.35x10 <sup>5</sup>	ASTM D 696	
Izod Impact	3.92	ASTM D 256	
Ball Impact	No effect with ½ lb. ball	NEMA LD 3-200	
Bacteria Fungus	Does not support growth	ASTM G 21 & 22	
Flammability	Class 1 & Class A	ASTM E 84	
	-Flame Spread	10	ASTM E 84
	-Smoke Development	85	ASTM E 84

### About KlipTech®

KlipTech®, owned by sustainable products innovator Joel Klippert, specializes in the design and production of award-winning, environmentally-friendly counter tops, decking, flooring, extreme sports surfacing, and siding surfaces. With his wife LeeAnn, Joel started experimenting with materials and resins in his garage more than a decade ago, eventually creating the first recycle paper composite product. Today Joel and LeeAnn continue to create products that rival natural stone and solid surfaces in beauty and durability. By inventing and perfecting sustainable manufacturing practices, KlipTech® is accomplishing its goal to help maintain the earth's natural resources for generations to come.

# KLIPTECH®

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