



Catalog



OUR MISSION

HempWood® aims to be a catalyst for a wave of innovation consumed by the idea that our cultural shift towards a more sustainable way of living is no longer desired but required.

By using the algorithm of a tree, we have reverse-engineered the natural growth cycle of plant-based materials and utilized biomimicry to transform hemp fibers and protein-based bonding agents into a viable wood substitute that is 100 times faster to grow and 20% denser than oak.

With all typical hardwood applications being the core function of HempWood® the possibilities are nearly endless.



COMMON SENSE.

HOW IT HAPPENS

HempWood® is an engineered hardwood product. Developed by CEO Greg Wilson, HempWood® is made through a process of adhesion, compression, and baking.

First, full-length fiber hemp stalks are submerged in an all-natural soy-based adhesive. After saturation, the hemp stalks are spread evenly on racks and placed into a dryer to lower the moisture content.

After drying, the stalks are weighed into portions. The portions of hemp stalks are then compressed under 3,000 tons of pressure into 5.5 x 5.5 x 72" steel molds.

After pressing the dried hemp into the molds, the blocks are baked until the catalyst in the glue is activated, which makes the HempWood® blocks solid.

From the blocks, HempWood® lumber, flooring, panels, woodturning blanks, picture frames, table, and cabinet kits are made.

LUMBER



LUMBER PRICING

Boards



1/4 x 5.25 x 48/72"
\$2.50/linear ft.



3/4 x 5.25 x 48/72"
\$6/linear ft.



4/4 x 5.25 x 48/72"
\$7/linear ft.

Boards



8/4 x 5.25 x 48/72"
\$10/linear ft.

Blocks



6 x 6 x 48/72"
\$30/linear ft.

Panels



\$25 1 x 10 x 48"
\$120 1 x 48 x 48"
\$240 1 x 48 x 96"

- Eco-friendly
- Sustainable
- Made in the USA
- No added formaldehyde
- 20% harder than hickory
- Seed to lumber 150 days

Customization is available upon request.

COMMERCIAL



HempWood® Plain Sawn Natural Flooring

RESIDENTIAL



HempWood® Rift Sawn Arctic Flooring

FLOORING OPTIONS



Unfinished

Bourbon

Natural

Unfinished

Have a custom color in mind? Arctic & Honey can be achieved by using Bona® tinted sealer products.

Bourbon

Kentucky's finest! Dark earthy tones are offered with the Bourbon flooring.

Natural

Embrace the grain of the wood with the Natural option. Natural enhances the beauty of HempWood®.

Contact us for pricing.



Renewable



Prevents deforestation



150 days

FLOORING SPECS

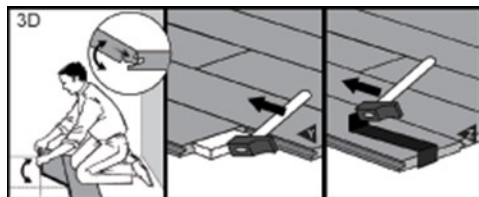
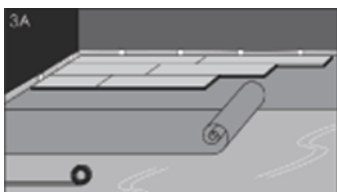
Test Results		
Item	Standard	Results
Density	ASTM D2395	55 lbs/ft ³ or 850 kg/m ³
Hardness	ASTM D1037 –6a (Janka Ball)	2,200 lbf
Dimensional Stability	ASTM D1037 (20–90% RH)	Swell 0.02/0.06/0.77%
Fire Rating	ASTM E 648	Rating: Class B
Abrasion Resistance*	ASTM 1037	1600–1800 revs (WRO)
Scratch Resistance*	ASTM 1037	2IN
Slip Resistance*	BGR 151/DIN 51 130	R10
Formaldehyde Emissions	CARB 2	Compliant

*Bona® Coating



INSTALLATION INFORMATION

HempWood® Engineered Hardwood Flooring is designed to be installed on both concrete and wood subfloors. This hardwood flooring can be installed by glue down, nail down, or even floating. The dimensions of each board of flooring is 5/8 x 5 x up to 72".



FINISHED GOODS

Picture Frames		
\$80	16 x 14.5"	Letter
\$100	22 x 18.5"	Diploma



Frame Color Options



Mat Color Options

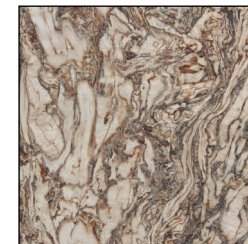
Unfinished
Natural or Bourbon

White or Tan

Grain Options



Rift



Plain

Customization is available upon request.

WOODTURNING BLANKS

Woodturning Blanks		
\$10	10 x 1 x 1"	Bead
\$8	2.5 x 2 x 2"	Bottle Stopper
\$15	5.25 x 5.25 x 3"	Bowl
\$5	4 x 4 x .5"	Coaster
\$20	5.5 x 3/4 x 3/4"	Pen (4)
\$23	12 x 3 x 3"	Peppermill

For woodturning tips, refer to our YouTube channel and HempWood® documents on our website!



The results are endless for HempWood® woodturning blanks. HempWood® offers a unique grain pattern that cannot be replicated.

CABINETS AND DOORS

Cabinet Kits		
\$200	17 x 15.5"	Wood or acrylic door
\$250	22 x 19"	Wood or acrylic door



Cabinet

- Acrylic & solid doors
- Customizable
- Detailed Instructions
- Durable
- Self-assemble



Cabinet doors

- Customize
- Kitchen
- Display case
- Vanity
- Solid or acrylic

Contact us for pricing

TABLE KITS

Table Kits		
\$175	42 x 30"	Desk
\$200	42 x 42"	4 Top Table
\$300	72 x 42"	Conference Table



HempWood® Table Kits are the perfect *DIY* for even the most novice woodworkers. HempWood® Table Kits have detailed instructions and even a video follow-along guide on YouTube.

With its unique grain pattern, your HempWood® Table will surely be the center of the conversation.

Customization is available upon request.

SAMPLE PACKS

Sample Packs		
\$10	Shipping included*	Lumber pack
\$10	Shipping included*	Flooring pack
\$20	Shipping included*	A&D pack

*lower 48 states



Architecture & Design Pack



Flooring Sample Pack



Lumber Sample Pack

OUR STORY

Greg Wilson, founder and owner, has over 20 years of experience in the building industry. In 2003, Wilson began his journey with flooring.

After obtaining 14 years of knowledge in the wood, bamboo, and flooring industry, Wilson created Fibonacci, LLC, or better known as HempWood®.

HempWood® began manufacturing in 2019 and is located in Murray, KY. With the assistance of the Center for Agricultural Hemp and Murray State University, HempWood® strives to provide a sustainable hardwood alternative for generations to come.

HempWood® looks forward to what the future holds and appreciates all of the support. Make sure to follow our journey on social media!



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