



PRODUCT INFORMATION: Hemp board has the most unique story of the TorZo products. Made from recycled hemp fiber, it has a very natural look that most resembles finished granite.

SUSTAINABLE: Made from post-industrial hemp fiber, with no added urea formaldehyde, TorZo's hemp board is an excellent fit for any green building project. Since TorZo's hemp board has such a high amount of reclaimed material, when used in a green building project it can contribute to the project's LEED certification.

DURABLE: At the heart of TorZo's hemp board is a state of the art acrylic resin. This resin not only gives the board an exotic, unique and beautiful look, but it also increases its durability. TorZo's hemp board is ideal for wall paneling, countertops, furniture, flooring and vanities.

DISTINCT STYLING: TorZo's hemp board has an unrivaled look. It is both exotic and beautiful, and the perfect product for residential and commercial applications. It comes in four unique colors: cocoa, copper, natural and onyx, and four premium colors: ruby, sapphire, amethyst and turquoise.

DESIGN FLEXIBILITY: The exotic look and colors, ease of fabrication, and durability make TorZo's hemp board the perfect sustainable surface material for both horizontal and vertical applications.

IDEAL FOR:

- Wall paneling
- Furniture
- Tabletops
- Vanities
- Countertops

KEY FEATURES:

- Exotic, beautiful look
- Durable
- Easy to fabricate
- Can contribute to LEED points

AVAILABLE IN:



Cocoa



Copper



Natural



Onyx

HEMP BOARD is made from acrylic infused hemp fiber material. TorZo's infusion process allows the board to be cut, fabricated and machined with standard tooling. After the infusion process, TorZo's hemp board is still 50% hemp fiber. It is the perfect product for horizontal and vertical applications.

■ DIMENSIONS:

BOARD SIZE:

- 3' x 8'

THICKNESS:

- 3/8"
- 1/2"

SHEET WEIGHT:

- 3/8" = 60 lbs
- 1/2" = 77 lbs

DENSITY:

- 70 lbs/ft³

■ ENVIRONMENTAL LEED CREDITS:

- I.E.Q. 4.4
- M.R. 4, 5*, 6

*applies to projects that are within a 500 mile radius of TorZo's manufacturing facility in Woodburn, Oregon (ZIP code 97071).

■ PREMIUM COLORS:

Amethyst

Ruby

Sapphire

Turquoise

■ MATERIAL PROPERTIES:

PROPERTY	HEMP	UNITS
Thickness	3/8	inches
Density	70	lbs/ft ³
Internal Bond	92	lbs/in ²
Modulus of Rupture	2,397	lbs/in ²
Modulus of Elasticity	550,473	lbs/in ²
Hardness – Janka Ball	3,100	lbs, Janka Ball
Screw Holding Face	434	lbs required to pull 1" #10 sheet metal screw
Screw Holding Edge	372	lbs required to pull 1" #10 sheet metal screw
Linear Expansion	0.18	% dimensional change in length and width due to humidity change from 50% – 80% RH
Moisture Content	3	%, oven-dry basis
Fire Rating	B*	Class (*can be A with proper coating)

■ FABRICATION:

TorZo's hemp board can be cut using standard carbon tip blades. Avoid feeding the material too fast to prevent binding or too slow to prevent burning.

TorZo can be routed using standard carbide router tips. Material can be hand routed or routed on a CNC machine. Also, standard V-groove units with carbide based tips can be used for dropped edge applications.

TorZo's hemp board comes pre-sanded to 220 grit. In order to ensure a smooth clean surface before a coating is applied, TorZo recommends the material be sanded with a random orbital sander to a 320 grit finish after fabrication. This will fully eliminate any sanding marks from the belt sanding process.

Care should be taken to not over sand the material. Doing so will sand off the acrylic UV material used to fill voids in the boards surface. This will result in surface cratering.

Titebond II® can be used for gluing all TorZo based materials. For V-groove applications, a two part solid surface epoxy system that best matches the board's color, or a clear epoxy, is recommended. Moisture cured adhesives are not recommended for use with this product.

For more in depth fabrication information, please see the TorZo fabrication guide and edge fabrication guide, which are available from TorZo distributors or on TorZo's website: www.torzosurfaces.com.