



**PRODUCT INFORMATION:** The most beloved fashion staple, blue jeans, is now available as a surfacing material. Denim, by TorZo Surfaces, offers a comfortably familiar, yet stylish interior surfacing solution for vertical, horizontal, and specialty applications in any market segment. Warm and inviting, Denim creates an atmosphere of casual relaxation.

**UNIVERSAL APPEAL:** Denim is easy to live with, design with, and care for, dressed up or down, it fits beautifully into today's casual chic lifestyle. Serving as a fabulous foundation for any space, it easily combines with an array of accent colors, offering endless choices. Denim is offered in two surface treatments: one is finished without filling surface voids, providing a more rustic, textured appearance, and the other is filled and sanded, which eliminates the majority of the surface voids (perfect for horizontal applications).

**SUSTAINABLE:** A base construction of recycled denim fabric scraps makes Denim a perfect choice for projects committed to using sustainable finishes. As with all TorZo products, Denim is NAUF, and can contribute to LEED certification in several categories.

**DURABILITY:** Excellent performance and durability in any commercial environment is achieved through the exclusive TorZo Surfaces infusion process. The Denim board is infused with an acrylic resin, resulting in a panel that is extremely hard and durable, with outstanding resistance to abrasion and scratching. Standard lamination to a Baltic Birch plywood backer board gives the panel added dimensional strength.

**EASE OF FABRICATION:** The acrylic infused Denim panel offers qualified craftsmen a panel that can be easily fabricated using standard woodworking tools and practices. A fabrication guide can be found at [www.torzosurfaces.com](http://www.torzosurfaces.com).

## IDEAL FOR:

- Wall Paneling
- Tabletops
- Horizontal Surfaces
- Retail Store Fixtures
- Furniture

## KEY FEATURES:

- Whimsical aesthetic
- Sustainable
- Easy to fabricate
- Excellent durability



**DENIM** is made from acrylic infused recycled denim scraps. TorZo's infusion process allows Denim to be cut, fabricated and machined with standard tooling. It is the perfect product for horizontal and vertical applications.

## ■ DIMENSIONS:

### BOARD SIZE:

- 2' x 4'

### THICKNESS:

- 1/2" (including plywood backer board)

### SHEET WEIGHT:

- 2' x 4' x 1/2" = 37 lbs

### DENSITY:

- 73 lbs/ft<sup>3</sup>

## ■ ENVIRONMENTAL LEED CREDITS:

- I.E.Q. 4.3, 4.4, 4.6
- M.R. 4, 5\*

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

- I.D. 10.1

## ■ COLORS

- Denim is offered in its natural blue color only.

## ■ MATERIAL PROPERTIES:

PROPERTY	DENIM	UNITS
Thickness	1/2	inches
Density	73	lbs/ft <sup>3</sup>
Internal Bond	322	lbs/ft <sup>2</sup>
Modulus of Rupture	4118	lbs/ft <sup>2</sup>
Modulus of Elasticity	406, 761	lbs/ft <sup>2</sup>
Janka Hardness	3076	lbs, Janka Ball
Screw Holding - Face	746	lbs required to pull 1" #10 sheet metal screw
Screw Holding - Edge	950	lbs required to pull 1" #10 sheet metal screw
Moisture Content	4.0	%, oven-dry basis
Fire Rating	Class B	ASTM E84 Class designation

## ■ FABRICATION:

It is important to note that the Denim panels are made from recycled fabric scraps, resulting in each panel being unique and different from other Denim panels in color and appearance.

Denim can be cut using standard carbon tip blades. Avoid feeding the material too fast to prevent binding or too slow to prevent burning.

Denim can be routed using standard carbide router tips. Material can be hand routed or routed on a CNC machine. Also, a mitered drop edge technique can be applied to give the appearance of thicker material.

The Denim panel is subjected to a "fill and sand" process before shipping, which eliminates the major surface voids. When used as a horizontal surfacing material, additional "fill and sand" cycles may be necessary to achieve the desired surface smoothness. Any high quality, light colored wood putty will be appropriate for additional filling applications.

Titebond II can be used for gluing Denim. For V-groove applications, a two-part solid surface epoxy system that best matches Denim's color, or a clear epoxy, is recommended.

For more in-depth fabrication information, please see the TorZo Fabrication Guide and TorZo Edge Finishing Guide, which can be accessed at [www.torzosurfaces.com](http://www.torzosurfaces.com).