



**PRODUCT INFORMATION:** Durum™ has a very natural and organic look that is ideal for applications in which sustainability is trying to be highlighted.

**SUSTAINABLE:** Durum is made from composite wheat straw material and is the perfect fit in any green building project. When used in green building projects, Durum can contribute to the project's LEED certification. This is a result of the high percentage of recycled agricultural by-products in Durum, as well as its formaldehyde-free composition.

**DURABLE:** At the heart of the Durum line of surfaces is an acrylic resin that is added to the boards through a state of the art infusion process. Durum's durability and hardness make it ideal for high wear applications.

**DISTINCT STYLING:** Durum creates a warm, organic and natural look that can be used in a variety of projects. It is the ideal companion for projects big and small that are trying to highlight sustainability. This very organic line of sustainable surface materials comes in four different color options: onyx, cocoa, copper and natural.

**DESIGN FLEXIBILITY:** Durum's elegant styling, ease of fabrication, durability and color options make this sustainable surface material great for both horizontal and vertical projects.

## IDEAL FOR:

- Furniture
- Tabletops
- Countertops
- Vanities
- Flooring

## KEY FEATURES:

- Warm, unique organic look
- Durable
- Easy to fabricate

## AVAILABLE IN:



Cocoa



Copper



Natural



Onyx

**DURUM™** is made from acrylic infused, post-agricultural recycled wheat stalk material. TorZo's infusion process allows Durum to be cut, fabricated and machined with standard tooling. After the infusion process, Durum is still 70% recycled wheat stalk material. It is the perfect product for horizontal and vertical applications.

## ■ DIMENSIONS:

### BOARD SIZE:

- 3' x 8'

### THICKNESS:

- 3/8"
- 5/8"
- 7/8"\*

\*custom order only

### SHEET WEIGHT:

- 3' x 8' x 3/8" = 60 lbs
- 3' x 8' x 5/8" = 90 lbs

### DENSITY:

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

## ■ 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).

## ■ COLORS:

## ■ MATERIAL PROPERTIES:

PROPERTY	DURUM	UNITS
Thickness	5/8	inches
Density	72	lbs/ft <sup>3</sup>
Internal Bond	325	lbs/in <sup>2</sup>
Modulus of Rupture	7,432	lbs/in <sup>2</sup>
Modulus of Elasticity	897,792	lbs/in <sup>2</sup>
Hardness – Janka Ball	4,225	lbs, Janka Ball
Screw Holding Face	672	lbs required to pull 1" #10 sheet metal screw
Screw Holding Edge	681	lbs required to pull 1" #10 sheet metal screw
Linear Expansion	0.13	% dimensional change in length and width due to humidity change from 50% – 80% RH
Moisture Content	2.5	%, oven-dry basis
Fire Rating	C	Class

## ■ FABRICATION:

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

Durum 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 Durum material 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 400 grit finish and then wiped down with a damp cloth, after fabrication.

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 board's surface and result in surface cratering. Once this occurs, the only way to eliminate these craters is to apply clear epoxy filler.

Either Titebond II® wood adhesive or a two-part solid surface epoxy can be used for gluing Durum. For seaming and miter edge applications, a two-part solid surface epoxy system that best matches Durum's color, or a clear epoxy, is recommended.

For more in depth fabrication information, please see the TorZo Fabrication Guide and Edge Fabrication Guide, which are available from TorZo distributors.

Cocoa

Copper

Natural

Onyx