

► Interested in having your company featured in our Newsletter? See below for details.

NEWSLETTER 12



## Tooling News

PRECISION BOARD PLUS HDU



**"Boilermakers  
Are Up To  
Any Challenge"**

### Worlds Longest Egg Toss Purdue Aeronautical Engineering Students Build Sputnik Seven



Aeronautical Engineering students at **Purdue University** were tasked with designing, assembling, and launching a rocket – with an egg inside! Mission success rides on the rocket achieving an altitude of exactly 1,000 ft. above ground level, deploying a parachute and hopefully landing with an intact egg. Will the egg survive?

The project was codenamed *Sputnik Seven*, and the rocket was designed using RockSIM Software, which allowed them to select motor configurations to account for speed and height goals. The fuselage was made out of fiberglass by sandwiching 2 layers of prepreg fiberglass between a **PBHT-60** mold and an inflatable bladder filled with air. All components were then placed in an autoclave for curing.



With the rocket completed, it was time to see if the egg would live. The rocket soared into the sky, the parachute deployed and the rocket sailed back to Earth. The egg was recovered – intact! Mission Success!



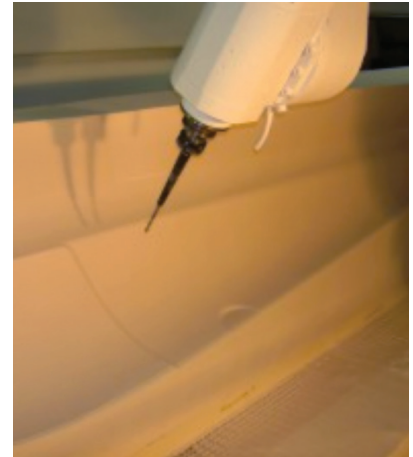
**Coastal Enterprises** donates material to student teams at Universities throughout the United States for many interesting projects. Our material has been used to create anything from human powered vehicles to supermileage cars, or in the case of Purdue University, designing a rocket.

### New Product Release

#### 70 pcf. Precision Board Plus!

Coastal Enterprises is proud to announce the release of our newest product, and highest density – 70 pcf. Precision Board Plus HDU! After numerous customers expressed interest in higher density HDU, we put our R & D teams to work and are now in full-scale production of **PBLT-70**.

Ideal for composite layup tooling, prototyping, foundry patterns, vacuum form molds and autoclave tools, **PBLT-70** offers increased durability and compressive strength for many applications.



#### Temperature:

PBLT: 200°F

#### Sheet sizes:

20"x60", 24"x60",  
45"x60", 30"x80",  
45"x60", 4'x8', 4'x10',  
5'x8', and 5'x10'

#### Thickness:

Anything from 1/4"  
to 24" thick

Interested in seeing a sample of PBLT-70 or PBHT-70? Call us at: (800) 845-0745 or email us at: [hdu@precisionboard.com](mailto:hdu@precisionboard.com)



Call (800) 845-0745 or visit  
[www.PrecisionBoard.com](http://www.PrecisionBoard.com) for a  
**FREE** sample of Precision Board Plus.  
email: [hdu@precisionboard.com](mailto:hdu@precisionboard.com)

Great Pricing • Fast Shipments • Made in USA

# PRECISION BOARD PLUS

## Precision Matched for Your HDU Needs

### Widest Range of Densities Available

4 through 60 pound densities all in stock, with custom densities on request.

### Any Thickness You Require

From 1/4" to 24" and everything in between.

### WIDEST VARIETY OF SHEET SIZES AVAILABLE

- 20"x60"
- 45"x60" **NEW**
- 5'x8'
- 24"x60"
- 4'x8'
- 5'x10'
- 30"x80"
- 4'x10'

**ALL IN STOCK AND  
READY TO SHIP**

## Life of The Sign Warranty



To request a written, personalized copy of our "Life of The Sign Warranty" for a sign you've made using Precision Board Plus, contact us at:  
**[www.precisionboard.com](http://www.precisionboard.com)**

## Interested in Having Your Company Featured in Our Newsletter?

You may have noticed we like to share interesting stories from our customers about their projects using Precision Board Plus. If you would like us to feature your company in one of these stories, we want to hear from you.

### Here's what we're looking for:

- *In process photos working with Precision Board Plus*
- *Finished project photos*
- *Advice for those who are new to Precision Board Plus*
- *Tips for working with HDU*

Send us an e-mail at **[hdu@precisionboard.com](mailto:hdu@precisionboard.com)** along with any interesting details about the project.

These newsletters are sent to thousands of our customers and are a great way to build recognition for your company and share your expertise.

## Certified Green

Precision Board Plus has been reformulated with eco-friendly, "Green" urethane components. The new Plus formulation has achieved a certified "Carbon Balance" of 3 to 1 and a "Rapidly Renewable Resource Content" of 23.9%. This major environmental improvement has also produced a tighter cell structure which results in more chips and less dust when cutting and machining.

Precision Board Plus now assists in meeting LEED requirements for obtaining USGBC and ICC 700 Building Credits.



*Coastal Enterprises also offers a complete line of companion primers, adhesives and specialty coating products.*



Call (800) 845-0745 or visit **[www.PrecisionBoard.com](http://www.PrecisionBoard.com)**  
for a **FREE** sample of Precision Board Plus.  
email: **[hdu@precisionboard.com](mailto:hdu@precisionboard.com)**

**Great Pricing • Fast Shipments • Made in USA**



Facebook®, LinkedIn®, Youtube®, and Twitter™ are registered trademarks of their respective corporations.