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NEWSLETTER 9



# Tooling News

PRECISION BOARD PLUS HDU  
FEATURED CUSTOMER SERIES



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"Each creation began with an idea and Precision Board Plus"

Alpha Studios



## Alpha Studios: Technology Meets Traditional Craftsmanship

CNC is a technology used in many studios today when shaping Precision Board Plus HDU, high density urethane. When large scale or multiple pieces are required, CNC is an excellent choice. The craftspeople at Alpha Studio in Irvine CA have the capability to CNC, but in some instances they prefer to utilize traditional hand skills to generate their pieces.

When Alpha Studio meets with a client for the first consult, they have them bring appropriate photos, sketches, sizing and colors that the final object will contain. From the provided information, Brett McKim, the lead sculptor, will begin to sketch the shapes on the HDU. He prefers to use 12 – 20 pound HDU depending on the end use of the sculpture. "Most often, the sculptures are used to pull silicone RTV tooling from, so the higher density material (PBLT-20) is wonderful."

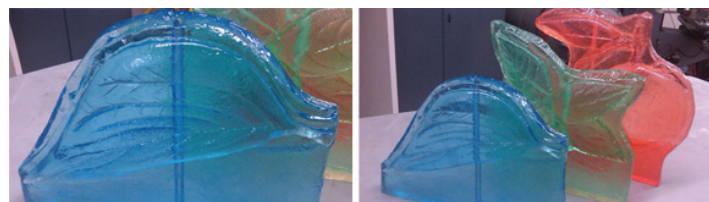
primer. The polyester primer was applied in such a way that it left a coarse texture on the surface of the Precision Board Plus. For the gloss portion of the equation, an automotive clear coat was applied prior to tooling.



3 Gallons of silicone RTV tooling material was used to create the mold of each flame. The castings were created from two-part urethane clear casting resin and wisps of color were added for a more realistic appearance. In total, there were 12 cast.

"We use Precision Board Plus in many different applications and choose our densities per the project we are doing," says McKim.

For other interesting and versatile projects by Alpha Studio, check out their web site at [www.alphastudioonline.com](http://www.alphastudioonline.com) or call (949) 748-1549 and speak to Brett McKim.



When a particular client requested a clear cast urethane "flame" for use in their interior fireplaces, Brett McKim knew just what to do.

Brett goes on to explain:

During the initial consult, the client was present during the initial sketching and carving so that they could provide input as to how much detail was desired. The flames were created from PBLT-20 using a 6" knife and some sand paper. A completely smooth surface in this application would not have been as interesting as a textured surface since a textured-gloss surface plays with the light and color. After the master was sculpted, it was coated with a layer of polyester



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## 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 18.9%. 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.



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