

## ElementAI Heavy FAQs

*\*this is an internal CaraGreen document*

### **What sheet sizes does ElementAI come in?**

36" x 72", 36" x 96" and 48" x 96"

### **How much does it weigh?**

For a standard 4x8x1/2" sheet, 131 lb

### **Where is it made?**

In the USA, in NY State

### **What is the recycled content?**

Acrylic and metal, up to 82% total recycled content (everything is recycled except for the 1/16<sup>th</sup> inch top layer). About 10 pounds of the final sheet is the non-recycled top coat, about 8 pounds are non-recycled MMA.

### **What portion of the recycled content is the filler vs. the acrylic?**

### **Can it be recycled? If not, is there a takeback program?**

No, it cannot.

### **Can it be thermoformed? To what radius?**

Yep. You can reach a radius of 3"

### **Will it spark when I cut it?**

Nope, it shouldn't.

### **Is there a top coat?**

There is a clear sealer coat, 1/16<sup>th</sup> of an inch acrylic sheet (non-recycled acrylic) as a protective layer. It allows sanding and repairs since it is incredibly hard to sand through completely.

### **Do I need to seal it?**

No, but there are a couple different coatings that can be applied if desired. They are not necessary.

### **Can I get custom colors?**

Yes

**Can I get a custom size?**

Yes! Any size you want, no upcharge.

**How thick is it? Can I get a custom thickness?**

½" is standard, you can go from 3/8" to 1" thick, with or without metal.

**Will the color change or yellow over time?**

No, it is color stable.

**How much can I cantilever?****What is the ideal substrate (colorwise)?**

Maybe paint it, depends on personal preference.

**Edging- Do I need to seal the edges where the metal fillings are exposed during cutting?**

No- once being sanded, it should be fine. There are some coatings that can be used, acrylic, but not necessary.

Once sanded, it has a glossy, shiny look with no metal sticking out.

**What adhesive is used?**

*A clear adhesive acrylic glue – Weldon 40.* Clear Integra adhesive is also fine.

**Vertical attachment systems?**

Z-clips are good, anything is possible.

**Is there any ATH in elemental?**

Nope!

**What are the ingredients?**

MMA (monomers, liquid acrylic), recycled acrylic, and recycled metals (brass, copper, aluminum)

**Where does the recycled metal come from?**

Industrial Metals Recyclers. The metals are purchased from manufacturers who generate the metals mostly during machining operations.

The acrylic comes from a couple different large molding companies- injection molding. Primarily from medical component manufacturers.

**Are the sheets poured (like Durat?)**

No, they are pressed.

**How do I clean it?**

Mix 1 part Chlorine Bleach (Clorox) with 3 parts warm water.

Dampen a soft cloth with the liquid and lightly go over the surface.

Immediately dry with a soft clean cloth, do not let the liquid sit on the surface for long periods of time.

**Can I protect the surface?**

Use commercially available products (Novus1, Countertop Magic, Brilliance)

**How do I finish the edges?**

80, 150, 220 and 320 grit sandpaper with an orbital sander. The 320 grit at the end will give the material a smooth finish.

**Lead time?**

2-3 weeks

**What is the max thickness for ElementAl Heavy?**

¾" of an inch

**Can this product be used in a shower?**

Only elementAl Light can be used for this application --without metal

**What edge profiles would you recommend for Elemental Heavy can you do a bullnose rounded edge? If so would there need to be a sealer applied after sanding it down?**

Yes the material can be made into a bullnose or chamfer edge. We just finish it up the 800 finish of the surface and it should not require any sealing.

**How can you repair the surface if nicked, scratched, etc?**

The material can be buffed with a Gray Scotch Brite (12000 AO) to remove scratches. Small nicks can be sanded out starting with Peach Color Scotch Brite and then finished with the Gray Scotch Brite.