

Face Shield FAQ

What Is It?

A face shield for healthcare workers, designed around these specifications (below) outlined by Providence hospital in Seattle.

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Face Shield Parts

- Vinyl – 16 or 20 gauge marine grade vinyl
- Foam – 1 inch by 1 inch (cut down from larger sheets, if necessary)
- Elastic – Preference $\frac{3}{8}$ to $\frac{1}{2}$ inch (larger might require two staples per side)
- Double-sided tape – 1 inch industrial grade mounting tape (Gorilla, Scotch)

General information only. Providence used their guidelines, with other information and our own experience, to create face shields for our own internal use. You should conduct your own reviews and consider quality and other issues before creating face shields or other products on your own.

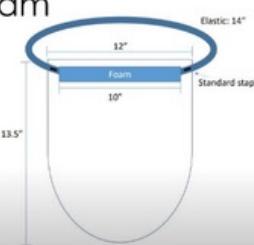
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Process

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graph TD; 1a[Elastic: Cut into 14 inch lengths] --> 2a[Center and place a 10 inch length of mounting tape 1/2 inch below top of shield]; 1b[Foam: Cut into 10" x 1" lengths] --> 2a; 1c[Vinyl: Cut into 12" x 54" strips, Cut into 12" x 13.5" rectangles, Shape using template] --> 2a; 2a --> 2b[Secure foam on mounting tape]; 2a --> 2c[Secure elastic loop on either side of foam using standard stapler]
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Diagram



Elastic: 14"
12"
Foam
10"
13.5"

Standard staple



Who Is Making the Face Shields?

The face shields are being made by Robb Dravis' team at [Biobubble Inc](#). Biobubble creates custom clean rooms and contained environments for labs and research facilities.

Cleaning & Re-Use

The face shields react well to alcohol (71%) and Clorox wipes. The vision isn't restricted at all with the use of these products. However, these aren't medical grade. They are a homemade replacement for standard PPE. It is up to the user to determine how the safest and best way to use them.

Costs

The only costs are for shipping. The intention is not to charge for the masks unless there is a need to scale up, which might change that.

Fine Print

Biobubble would likely request that you sign a disclaimer acknowledging that "this is not medical grade but a homemade replacement for standard PPE."

How Do I Get Them?

Contact Travis Stewart via email at Travandboo@mac.com or via phone at 818-568-3755.