

Thank you for purchasing Decware Diffusers, they do make a difference!

When you receive your diffusers, you'll find that all the parts are in there correct wells, all that is really needed is to remove the parts from there respective wells and glue them into place, no tools required.

In the supplied color coded drawing, you see, red, green and black wells, under the well fillers are those parts. The first thing to do is pull out all the color coded blocks, if you have a problem getting to the very outside well fillers, removing the third vein will allow you to easily remove these, replace the vein right away. Next remove the  $\frac{1}{2}$ " X  $\frac{3}{4}$ " X 22  $\frac{1}{2}$ " and the  $\frac{3}{4}$ " X  $\frac{3}{4}$ " X 22  $\frac{1}{2}$ " fillers and set them aside.

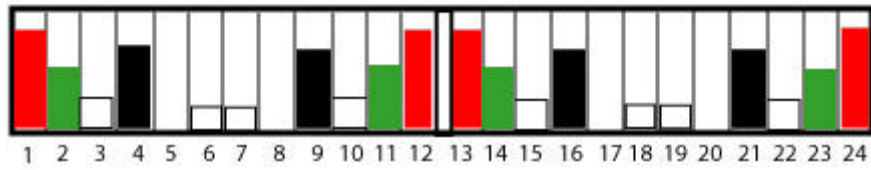
Alright, now its time to assemble the diffusers, gluing it all together. Start with the color coded well stand-offs (these are the little blocks under the well fillers you should have removed), and apply glue to the bottom and two opposing sides of each block, with the bottom being the opposite end of the color coded end. Place two blocks at either end of there respective wells and one as close to center as possible, drawing a line across the center, perpendicular to the wells would be helpful here. Do this to all the color coded stand-offs first. Next you will glue in the  $\frac{1}{2}$ " X  $\frac{3}{4}$ " X 22  $\frac{1}{2}$ " and the  $\frac{3}{4}$ " X  $\frac{3}{4}$ " X 22  $\frac{1}{2}$ " well fillers, the best way to glue these in is to apply some glue at the two ends of there wells, and apply some glue to the middle of the well filler itself, on two sides and the bottom. While spreading the veins apart slightly drop the well filler into each of there wells, making sure you've pushed them down to the bottom of the diffuser.

Now that this is done, you'll need to apply a liberal amount of glue on top of all the color coded stand-offs, do this for all the stand-offs at one time.. Once you've done that, place all the  $\frac{1}{4}$ " thick X  $\frac{3}{4}$ " wide X 22  $\frac{1}{2}$ " long well fillers on top of there color coded stand-offs.

For the finial step, you see you have 4 non-color coded blocks that look like one of the color coded stand-offs, these go in the "0" wells, they act as clamps while the glue dries, but could also be glued in, your choice. Do note that in the drawing the blocks aren't centered, or in line with the rest of the centered color coded stand-offs, they should be in line, or centered!!!!

TIP.... If you have a lot of diffusers to assemble, I would think more than 3 pair, a fast way to apply the glue to the sides and bottoms of the color coded stand-offs is to buy a small paint pan and a cheap foam paint brush. Dipping the paint brush in to the glue you poured into the paint tray you can paint the glue on to the stand-off very fast and neat.

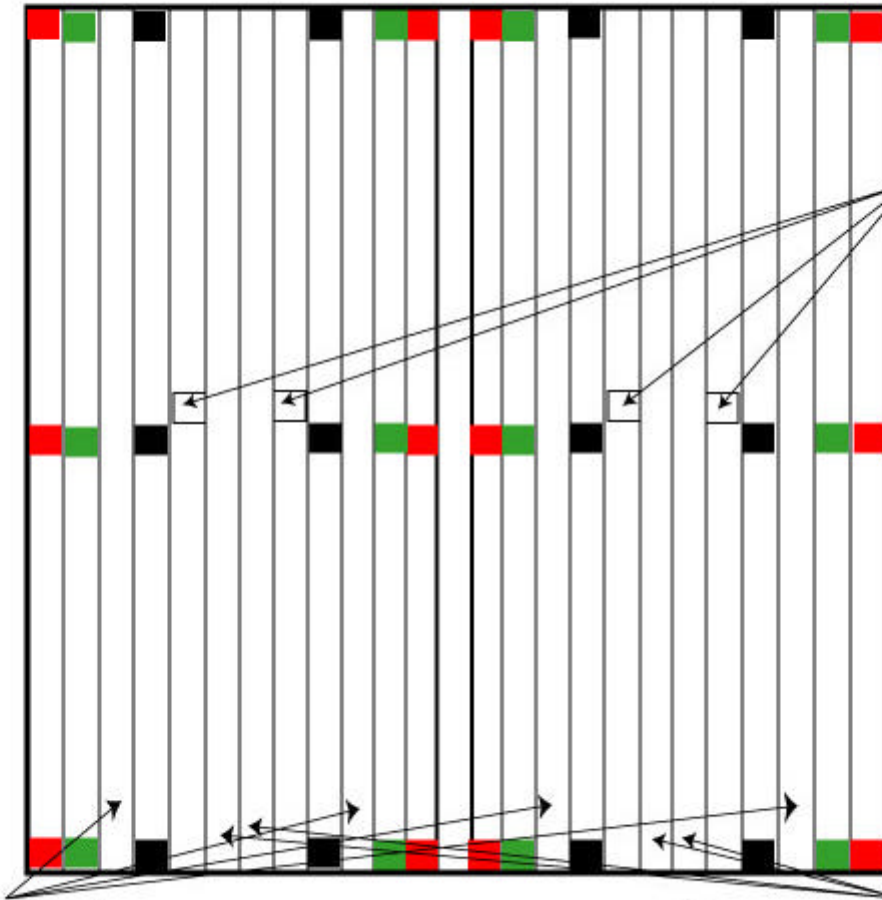
Cross-sectional view of panels for P1324 Diffusers



- Red coded blocks height
- Green coded blocks height
- Black coded blocks height
- 3/4"x3/4"x22.5" pieces height
- 1/2"x3/4"x22.5" pieces height

\* Empty slots or wells # 5, 8, 17, & 20 (4 total) have full structure height.

Color guide for assembling P1324K diffusers  
(Use in conjunction with Bob's descriptive instructions)



These slots are left empty.  
However, you may glue the  
included  $3/4 \times 3/4 \times 3$ " pieces  
in any order (This is optional).

    
These color coded blocks are  
glued in place to hold the fillers.

Fill with  $3/4 \times 3/4 \times 22.5$ " pieces.

Fill these center slots with  $1/2 \times 3/4 \times 22.5$ " pieces.