

REACTIVE RESISTANT MUSHROOM CAP

Creative Paradise Inc.

GENERAL MATERIALS:

- GM207 Flat Top Cap
- COE96 Glass (See Far Right)
- Suitable Glass Separator/ZYP
- Frit Slurry Supplies*

* [Please click here for our Basic Frit Slurry Tutorial](#) to find out more.

OPTIONAL MATERIALS:

- For Designs:
 - Etchall Gel Resist
 - Writer Bottle
- For Stemming:
 - Two-Part Epoxy
 - 14-4 Copper Butt Splice
 - 1/4" Copper Tubing

SUGGESTED GLASS:

- Sheet Glass:
 - Black
- F1 Powder Frits:
 - Vanilla Cream
 - Turquoise Blue**
 - Turquoise Green**

** These shades can be replaced by any other copper-bearing colors.

Prepare the mold thoroughly with suitable glass separator before beginning. We recommend spray-on ZYP. **Remember to always wear a mask when applying spray-on separator and/or using powder frits.**



Image 1: Applying Gel Resist

Begin by cutting and cleaning a 6.25"-7" circle of Black sheet glass. To write or add other detailed designs to your mushroom cap, add some of the Etchall Gel Resist to the Writer Bottle and use it to write or draw designs directly onto the cut Black circle (Image 1). Once finished, set the glass aside until the Gel Resist dries and is no longer completely white and opaque (Image 2). This Gel Resist portion is completely optional. All other methods and schedules in this tutorial will work just fine with just a slurry!



Image 2: Dried Gel Resist

Prepare frit slurries of each of your desired frit colors following the basic slurry instructions found in our [Slurry Tutorial by clicking here](#). Make sure to use separate cups for each frit color! Apply the slurries onto the Black glass over and around the Gel Resist using your own artistic preferences (Image 3). Use a plastic knife, toothpick, or similar tool, to drag the copper-bearing colors and the Vanilla Cream into each other to create areas of reactivity when fused. Wipe any excess slurry from the sides and bottom of the glass and set aside in a safe, flat place to dry (Image 4).

If using Gel Resist, don't let the slurry dry completely. When the slurry has dried somewhat but is still damp, remove the Gel Resist from the glass using a toothpick or needle tool. The frit on top of the Gel Resist will come off when it is removed, revealing the Black beneath the slurry in the forms of your words or designs (Image 5). Some pieces of the slurries that were atop the Gel Resist may fall onto the rest of the glass, but these can easily be blown away with a puff of breath.



Image 3: Applied frit slurries



Image 4: Dried frit slurries



Image 5: After removing Gel Resist



Image 6: Mushroom cap after firing

Allow the slurry to dry further. Place the treated GM207 mold on a level shelf in the kiln and, once the slurry is completely dry, center the slurried sheet glass on top of it. Fire and Slump using the suggested schedule in **Table 1**, adjusted as needed for your kiln. You can also Fuse the slurry flat first and then Slump using two separate firings if preferred.

To stem your cap, use a two-part epoxy to adhere a size 14-4 Copper Butt Splice or similar hardware to the center of the underside of the mushroom cap (**Image 7**). Cut a length of 1/4" Copper Tubing to serve as the stem, and place the tube into the Butt Splice after the epoxy has set completely. For more information on stemming and more detailed instructions, [please click here for our Stemming Tutorial](#).



Image 7: Underside of cap with epoxied stemming hardware

| Table 1: One-and-Done* | | | |
|-------------------------------|------|-----------|------|
| Seg. | Rate | Temp (°F) | Hold |
| 1 | 250 | 500 | 10 |
| 2 | 275 | 1225 | 30 |
| 3 | 9999 | 1405 | 00 |
| 4 | 9999 | 950** | 90 |

**If using COE90, adjust this to 900°F

*Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use. For tips on how to do that, [please click here to see our Important Firing Notes!](#)

FEATURED MOLD:

[GM207 Flat Top Cap](#)
6.75" Dia. x 2.5" T



Reactive frits are great ways to add interest to mushroom caps such as the two shown above. Most manufactures will have readily available lists of their respective reactive colors. For Oceanside's lists, [please click here](#). For Bullseye's list, [please click here](#).

For more information, tutorials, and molds, visit our website:
www.creativeparadiseglass.com

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