

Hammer Time

Materials:

- [GM212 Ruffle Dome Cap](#)
- COE96 Glass (See Below)
- Suitable Glass Separator/ZYP
- Hammer
- Cushioned Shelf Liner
- Aerosol Craft Glue
- Kiln Shelf Paper
- Sheet Glass:
 - Chocolate Opal
(or other Dark Grey/Brown)
 - Turquoise Blue Opal
(or other Copper-Bearing color)
 - Turquoise Green Opal
(or other Copper-Bearing color)
- Frits:
 - F2 Fine Vanilla Cream
 - F3 Medium Vanilla Cream
 - F3 Medium Turquoise Green (optional)
 - F3 Medium Turquoise Blue (optional)

Reactive Mushroom Caps

This tutorial demonstrates how to use intentionally broken glass along with reactivity to make interesting and unique mushroom caps.

Before beginning, always make sure to treat your mold with suitable glass separator. We recommend using spray-on ZYP. Always wear a mask when using spray-on separator.

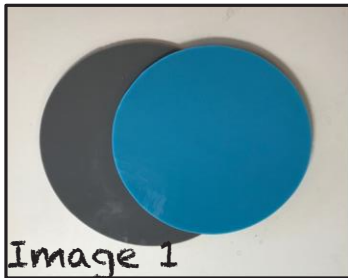


Image 1

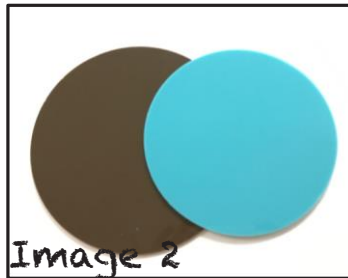
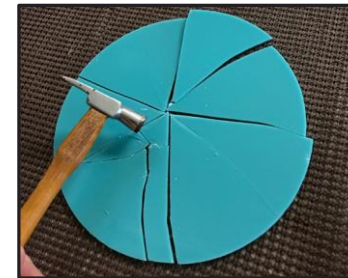


Image 2

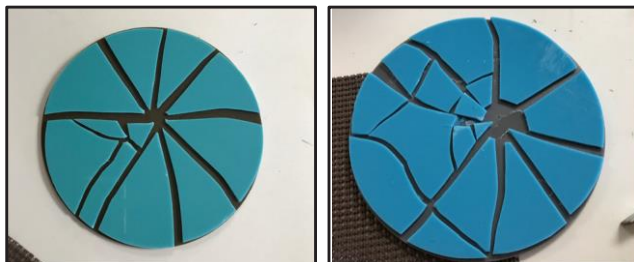
Cut a 6.25" circle from Dark Gray or Brown sheet glass and a 5.25" circle from any other compatible copper-bearing color. **Image 1** shows Chocolate and Turquoise Blue, and **Image 2** shows Chocolate and Turquoise Green. [Click here for Oceanside's Reactivity Guides for other examples.](#)



Place the copper-bearing 5.25" circle on top of a sheet of cushioned shelf liner, then cover it with another sheet of the liner. Gently hit the center of the circle with a hammer to create multiple shards of glass radiating outwards from the point of contact. Repeat with the other circle if creating multiple mushrooms.



Spray the darker 6.25" circle with a light coat of aerosol craft glue.



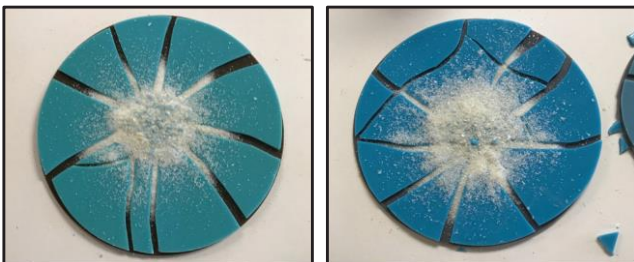
Rearrange each piece of the broken 5.25" circle on top of the 6.25" circle. You want the pieces in the same arrangement they were when broken but with roughly equal spaces between each piece, a gap in the center, and the outer edges in line with the edges of the larger circle under them.



After the glass has cooled, place your treated GM212 on the kiln shelf and center the glass on top of it. Drape the glass using the schedule in **Table 2** or your own favorite Drape. [*Check our Firing Notes before firing!](#)

Table 1 Draping Schedule			
Segment	Rate	Temp	Hold
1	250	1200	30
2	50	1250	20
3	9999	950**	90

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



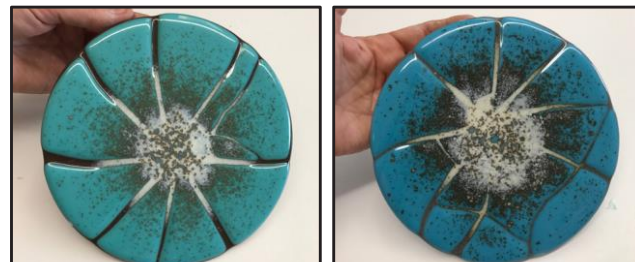
Fill the gap in the center with some F2 Vanilla Cream frit. Sprinkle a bit of the frit onto the copper-bearing glass as well. Top the F2 Vanilla Cream with F3 Vanilla Cream in the center. A small amount of F3 copper-bearing glass can be added on top of the F3 Vanilla Cream if desired. F3 Turquoise Green and F3 Turquoise Blue were used here on their respectively colored caps.

STEMMING

To stem your finished caps, use a two-part epoxy to glue a size14-4 Copper Butt Splice (also known as a Crimp Connector, Splice Cap, or Compression Splice) to the center of the underside of the mushroom cap.

Cut an 18" piece of 1/4" diameter copper tubing and place one end in the Splice after the epoxy sets.

For more information about stemming, [check out some of our other tutorials by clicking here!](#)



Gently place the project on a suitably sized sheet of kiln shelf paper on a level kiln shelf and fire to a Full Fuse.

