

Frit Casted Mushroom Cap



Materials:

LF156 Frit Cast Mushroom Mold
 GM209 Bell Mushroom Mold
 Zyp Boron Nitride Spray
 Powder Sifter COE 96 Frits - F1 Black, F1 Olive Green Transparent, F1 Yellow Transparent, F1 Medium Amber Trans., F2 Cloud Opal, F2 Ivory Opal, F3 Clear, 1/4" OD copper coil/tube., 2 part epoxy, copper crimp buttsplice size 14-4

Wear a mask when sifting powders. In a ventilated area treat the molds with Zyp Boron Nitride spray and allow them to dry.

Sift F1 powdered Black into the center and outside ridge of the mushroom cavity (image 1). Sift F1 Olive Green into the center area (image 2). Sift F1 Transparent Yellow around the outside edge of the mushroom (image 3). Sift F1 Medium Amber all over the entire mushroom cavity (image 4). Fill the center area with F2 Cloud (image 5). Fill from the outside edge of the mushroom to the center of the mushroom with F2 Ivory blending a bit over the Cloud in the center (image 6). Add enough of the Ivory frit to cover all of the raised areas in the bottom of the cavity. Fill the cavity with F3 Clear until the mold is holding a total of 280 grams of frit (image 7). Place the mold in a kiln and fire using the firing schedule found in table 1. After the glass is cooled, remove the glass from the mold, and clean the glass to remove any residual glass separator from the glass. This fused glass piece can be draped over any of the following mushroom drape molds: GM149 Small Dome Drape, GM206 Large Dome Drape, GM207 Flat Top Dome, or on the GM209 Bell Mushroom Drape (image 9) to create a variety of mushroom shapes. When using the GM209 Bell Mushroom Drape follow the draping schedule found in Table 2. Remove the draped glass from the mold, when cooled. Use an engraving tool (or other tool) to abrade the top inside section of the glass to help the epoxy to adhere. Place the glass in a cup to help keep the glass level and upright. Apply a dime-sized portion of mixed two part epoxy in the top inside section of the glass and a size 14-4 copper crimp butt splice (or other mount which can hold a 1/4" copper tube), in the epoxy. Place a section of 1/4" copper tube in the butt splice after the epoxy is set.



Segment	Rate	Temp	Hold
1	300	1215	20
2	50	1250	20
3	350	1465	10
4	9999	950	75
5	100	500	05

Segment	Rate	Temp	Hold
1	250	1200	20
2	350	1280*	08
3	9999	950	90
5	100	500	05

*It is important to use as little heat as possible to drape over ceramic molds. Too much heat in this segment can cause the glass to cling too tightly to the mold. Adjust this temperature if needed for your kiln.

