

Reactive Flower



Materials:

- [GM259 Radiant Slump](#)
- COE96 Frit
 - Powder Vanilla Cream Opal
 - Powder Sea Green
 - Powder Red Reactive Clear
 - Powder Deep Aqua
 - Medium Vanilla Cream Opal
 - Medium Turquoise Blue Opal
- COE96 Sheet Glass
 - Standard Clear
 - Vanilla Cream Opal
 - Turquoise Blue Opal
- Elmer's Washable Clear Glue
- Mosaic Nippers
- 1/8" Fiber Paper - Kiln Shelf Paper - 1/4" Copper Tube
- Small Wall Anchor
- Glass Cutter
- Screws and Washers

Before You Begin:

- We recommend using ZYP Boron Nitride Spray to prime molds
- Always allow your primer plenty of time to dry
- Adjust the firing schedule as necessary for your own kiln
- Email us at creativeparadiseinc@live.com with any further questions



Add one part Elmer's Washable Clear glue to eight parts water, and use the mixture to create frit slurries. Upon drying, the addition of the glue helps the slurry stay in place during construction.

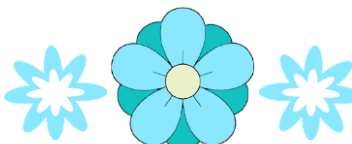
[Please refer to this tutorial for more information on frit slurries.](#)

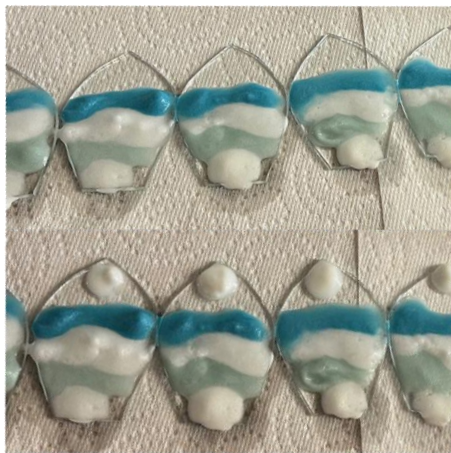
Using the pattern on Page 5, cut out eight petals from Standard Clear 3mm sheet glass.

Use the water mixture with several tablespoons of each color of powder frit to create slurries of Vanilla Cream, Sea Green, Red Reactive Clear, and Deep Aqua. Label each container to avoid any confusion of colors.

Lay the petals next to each other for frit placement.

Begin with a layer of Vanilla Cream. Follow that layer with one of Sea Green above it, and then a layer of Red Reactive Clear above that, as shown in the pictures above.





Continue with a layer of Deep Aqua, and finish with a final layer of Vanilla Cream.

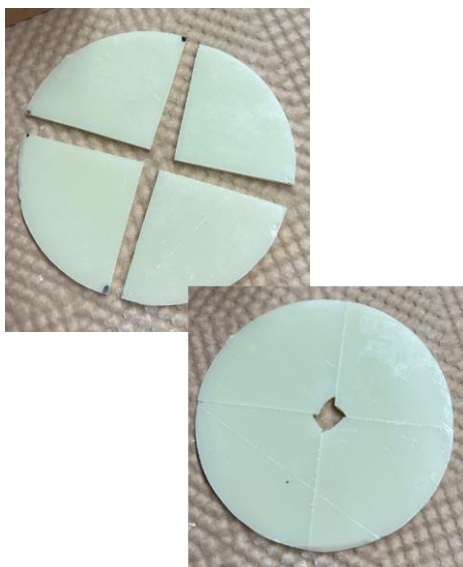


Shake the petals gently to evenly distribute the slurries over the surfaces of the petals.



Use a skewer or other similar tool to gently feather the slurry layers into each other as shown above.

Place the wet petals aside to allow them to dry completely.



Cut a 3.25" circle of the Vanilla Cream sheet glass, then cut that circle into quarters.

Use a mosaic nipper to nip the corners of each quarter to create a void in the center when they are reassembled



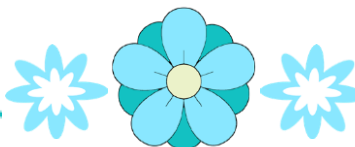
Prepare the GM259 Radiant Slump with ZYP or your primer of choice.

Place the nipped quarters of Vanilla Cream so the empty space is in the very center of the mold.



After all petals have completely dried, arrange them on the mold as shown above.

The bases of the petals should overlap the Vanilla Cream. The tips may extend just slightly beyond the edge of the mold (1/16" or so) but will pull back into the mold during the slumping process.





Use the mosaic nipper to nip around 35 pieces of Vanilla Cream sheet glass and around 20 pieces of Turquoise Blue sheet glass.

Each nipped piece should be between 1/2"-1" long, and around 1/4" wide with varying shapes.



Place the Vanilla Cream pieces where the petals overlap the Vanilla Cream quarters as shown above.

Make sure the pieces overlap both the petals and the sheet glass underneath.



Place the Turquoise Blue pieces on top of and overlapping the nipped Vanilla Cream pieces, as shown above.



Cut three 1" long by 1/4" wide pieces of 1/8" thick fiber paper, and one 1" long by 1/2" wide piece of kiln shelf paper.

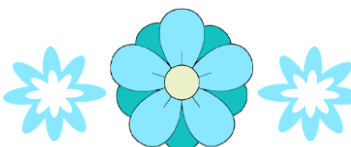


Bundle the fiber paper pieces and wrap them together with the piece of kiln shelf paper. Secure the bundle with a small piece of tape.



Place the paper bundle in the empty center of the mold.

Fill the rest of the center with Medium Vanilla Cream and Medium Turquoise frit until the bundle can stand on its own, about 1/4" deep.





Place the filled mold in the kiln and fire according to the schedule in Table 1.

After the glass has fully cooled, remove it from the mold and wash the glass separator from the back.



To place your flower on a stem, [refer to our Stemming Flowers Tutorial here](#) for a 1/4" thick copper tube. You will also need a small wall anchor, and corresponding screws and washers.

If desired, the screw securing the stem can be covered with a glass cabochon. The one on the example above was created with our [LF148 1" Disk](#) mold, and a combination of Vanilla Cream, Turquoise Blue, Turquoise Green, and Clear frit with a small piece of dichroic sheet.

Table 1: One and Done

Segment	Rate	Temp (F)	Hold
1	350	190	30
2	275	450	20
3	350	1410	05
4	9999	950 *	60
5	100	500	0

*To adjust this schedule for COE90 glass, change this temperature to 900 degrees.

Featured Mold:



[GM259 Radiant Slump](#)
8.5" Dia x 2" T

This technique can be used with a multitude of different colors to create beautifully hued flowers! Get creative!



Pattern:

Please print at "Actual Size"

