



Freeze and Fuse

Design courtesy of Slumpy's

Freeze fuse glass powder to create unique, textured glass shapes in just a few easy steps. Use this same technique to create jewelry pendants and earrings, 3-dimensional glass components, and more!

MATERIALS

- 00-96-F3 8.5 oz. Uroboros Frit Clear Transparent - Medium
- 171-96-F1 8.5 oz. Uroboros Frit Orange Transparent - Powder
- 6" Clear Round Transparent Sheet Glass
- Assorted Green Transparent Odd-Cuts
- FT-951 12 In. Fusing Tile
- PT-540 POPYROS Kiln Shelf Paper
- SM-9012 Ripple Bowl Mold - Small
- SP-8234 GlasTac
- ST-340 Tarheel Tools Running Pliers
- ST-352 Tarheel Pistol Grip Glass Cutter

SUPPLIES

- Pallet Knife
- Paper Towels
- Silicone or Plastic Shape Mold
- Small Cups
- Small Paintbrush
- Squeegee
- Water
- Wooden Dowel

INSTRUCTIONS

1. Gather the following materials: powder frit, rose-shaped silicone or plastic molds (i.e. shaped ice trays or candy molds), clear mixing cups, a pallet knife, wooden dowel, squeegee, water, and paper towels.

TIP: Silicone or plastic molds can be found in most craft stores, and are usually associated with candy-making and baking tools.

2. Pour water into a small cup (approx. ½ cup), then mix in powder frit until you achieve a paste consistency.

3. Leave the powder frit mixture to settle for approximately 10-15 minutes, then pour out any excess water.

4. Slowly add the frit mixture to the mold shapes using a pallet knife. As the frit settles, use a wooden dowel to pack the frit into the mold shape.

TIP: Experiment with layering or mixing frit colors for a unique effect!

5. Dab shapes with a paper towel to remove excess water, then use a squeegee to remove excess frit on the mold surface. Soak up additional water as needed.

TIP: The less water in the mold shapes prior to freezing, the better.

6. Set the molds into the freezer for 1-2 hours, or until the shapes become frozen solid.

TIP: Leaving the molds in the freezer for too long can dry them out and cause the shapes to crumble once removed from the mold, so avoid overnight freezing.

7. Once frozen, gently remove shapes and position onto a portable fusing tile or kiln shelf, lined with kiln shelf paper.

8. Fire the frit shapes using the following suggested firing schedule:

1	2	3	4	5
200	400	9999*	200	500
400	1320	950	700	200
.30	.35	.60	.00	.00

9. Once fired, position textured shapes onto a 6" clear round glass base. Secure in place with GlasTac.

10. Score and cut small leaf shapes from an assortment of green transparent glass shades. Position and secure leaves in place around the textured roses.

11. Dispense a layer of clear medium frit to the project base. Brush off excess frit on the leaf surfaces with a small paintbrush.

12. Apply pinpoints of GlasTac to project to secure design in place, then allow project to dry.

13. Tack fuse project using the 5-segment firing schedule.

14. Slump fired project in the Small Ripple Bowl Mold.