

Cast Glass Techniques

Try casting glass to create limitless designs and limitless pieces. Create shapes and endless color combinations by mixing pieces of glass and fusing them in ceramic molds.

Prepare the molds

step 1 Put on your safety mask and evenly spray Lubricoat® onto your selected ceramic mold.

step 2 Fill all the cavities about $\frac{1}{2}$ to $\frac{3}{4}$ full with the desired Uroboros glass (fine, medium or coarse frit) and use a brush to fill in all the angles. To individualize your piece, add some dichroic glass. Smooth it all out with a brush.

Fire the molds

step 3 Place the ceramic mold in the kiln, pushed toward the back. (**Please Note:** if there is a plug, remove it so the fumes can be released. Be sure to work in a ventilated area.) Program the kiln for 480° per hour to 1500°. Hold it at this temperature for 17 minutes. Let the pieces cool in the oven (duration depends on the pieces and the kiln; it could be several hours).

step 4 Once the pieces are cooled, remove the pieces from the kiln. The pieces should fall out of the mold easily due to the coating applied earlier. Glass pieces can be used for almost anything! For instance, you can use a diamond drill-bit to create a hole for adding a bail or a focal point on a necklace.



supplies:

Description	Order #
Uroboros Medium Frit	
Red Opal	340-535
Black Iridescent	340-563
Turquoise Blue Opal	340-546
Clear Transparent	340-488
Uroboros Dichroic Frit, Clear	340-854
Ceramic Mold for Glass, Triangles	340-975
Ceramic Circle Molds	340-977
Boron Nitride Lubricoat®	704-005
Mold Brush Set	330-026
Rio Kiln	703-117



Please Note:

Uroboros System 96 glass has a coefficient of expansion (COE) of 96. Do not mix glass with varying COEs; doing so will create breakage of your glass jewelry.



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