



# NEW! Fusers' Reserve™ Reactive Copper Opal

Introducing System 96® Fusers' Reserve Reactive Copper Opal. This seemingly neutral (glass actually appears to be White before firing) Fusers' Reserve glass contains Copper. As you may remember, Uroboros' System 96 Red Reactive glasses contain Tin.

Tin + Copper when fused together often create a deep Burgundy Red color where the two meet. Until now, the only way to get the desired "reaction" however, was to fuse the Tin-bearing glasses with Copper-bearing Blue and Green glasses. While the results are often interesting, the color palette could be a bit 'louder' than desired at times.

Now, by fusing Fusers' Reserve Copper Opal with Uroboros' Tin-bearing Red Reactive Opal and Transparent, you can create lovely shades of dusty Pinks in addition to the signature Burgundy Red color. — and all on a canvas of neutral color.

Fusing with Reactive glasses just became even more irresistible — nearly colorless glass goes into the kiln and yet comes out in full bloom! Tin-containing Uroboros Red Reactive glasses, plus all the related accessory products (Noodle, Stringer, Frit and Confetti) are the perfect complement to this new Fusers' Reserve Copper Opal glass.

So, let the creativity begin by picking up all three System 96 reactive sheet glasses, as well as their accessories. With the neutral Copper Opal base, a whole new level of reactive design freedom awaits you!



We layered nipped circular shapes in a design adapted from the "Ring of Posies" Project Guide. Before firing, it looks very much like a group of tiny wedding cakes, but out of the kiln, Pink and Burgundy concentric "posies" appear! The hardest part of building the piece was making sure that a Copper Opal circle went under each Reactive Red (Opal or Transparent) circle as you stack. Without colors as a guide, you need to rely on the tips on page 2 of this flyer to help you keep track.

## Reactives Be Dammed!

Alternating Fusers' Reserve Copper Opal with Red Reactive glasses yields interesting results! In the finished dammed piece at left, the horizontal dark Burgundy stripes with Clear windows were made with Copper Opal and Red Reactive Transparent. The vertical Pink opaque stripes were created with Copper Opal alternated with Red Reactive Opal. The raw glass (shown below) is nearly colorless.



**Above:** Concentric squares created by alternating Fusers' Reserve Copper Opal layers with both Red Reactive Opal and Transparent glasses. **Below:** Nipped Red Reactive flowers on a Copper Opal Base.



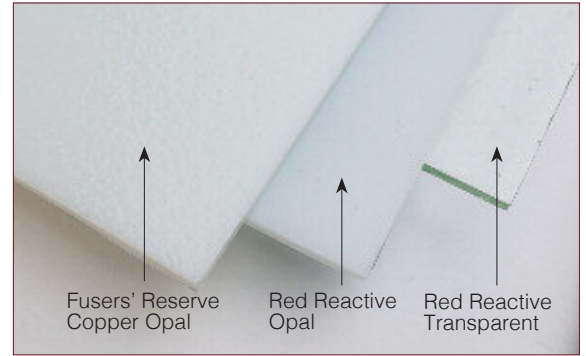


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## Tips for Success:

It can be challenging to work with glass that is essentially colorless in its raw form yet will show color after firing. If you're diligent in keeping each reactive glass segregated at all times however, you will be successful. Also be aware of glass dust and tiny fragments of reactive glass, as they can sneak into your design inadvertently!

Our Copper Opal was given a rolled Satin texture (as we did with Vanilla Cream) to help identify it as glass that reacts and avoid confusion with other White glasses. The key to keeping the two reactive Opal glasses separate is knowing that the Red Reactive Opal glass has more of a Blue cast to it than the Copper Opal. (See photo at right.)



**Keeping Track:** Fusers' Reserve Copper Opal has a rolled Satin texture, while the Red Reactive Opal has a Blue cast to it. When working with the three, be sure to keep each glass as well as smaller pieces separate from one another and other glasses that might be confused with them.

## Sample Tiles



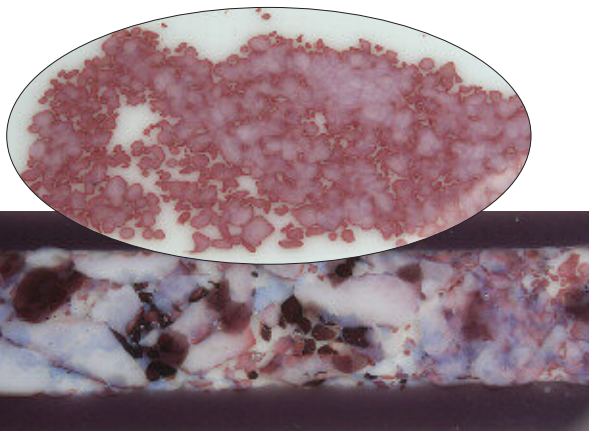
**Above:** Nipped Red Reactive flowers on a Base of Fusers' Reserve Copper Opal with Red Reactive Opal Noodle border.



**Above:** Red Reactive Transparent bent Stringer on Copper Opal Leaf shape atop a Base of Red Reactive Transparent.



**Above:** Red Reactive Noodle and stringer "ladders" with nipped Red Reactive flowers on a Base of Fusers' Reserve Copper Opal.



**Above Top:** Red Reactive Opal Frit shows its yummy Pink color after firing on a Copper Opal Base. **Below:** Fun with Reactive Frit mixed with pieces of Copper Opal as well as coordinating colors.



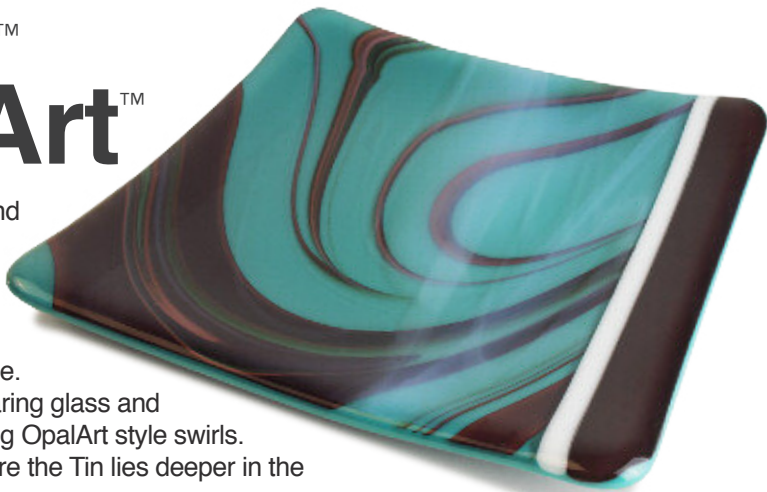
**Left:** Red Reactive Opal bent Stringer stems. Flowers created with pre-fired dots of Red Reactive Opal for petals with Red Reactive Transparent centers. Base is Copper Opal with a coordinating peek-a-boo border of 142SF Light Purple.



# NEW! Fusers' Reserve™ Reactive OpalArt™



This System 96® glass goes into the kiln Clear and comes out with cool colorful swirls of color — including Pink and Burgundy! The magic happens because Clear Tin has been stirred onto a Clear Base creating subtle Clear-on-Clear swirls that look similar to our Clear Baroque.



When placed **topside down** against a Copper-bearing glass and fired, the areas of Tin change color in the stirred pattern revealing OpalArt style swirls. Some soft wisps of White are also common to see in areas where the Tin lies deeper in the Clear Base.

## Important Usage Tips

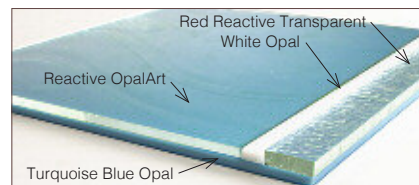
Since the Tin lies mostly on the surface of this glass, **you must find the topside of the piece and place it against a Copper-bearing glass for a reaction to take place. To find the topside:** there will be slight ridges wherever there are swirls — running your finger or fingernail along each side should tell you which side is the surface.

Use the **Reactive Chart** (available on System96.com) to see which System 96 glasses contain Copper. We found the strongest reactions occur when using the Opal glasses shown below. Other glasses produce a more subtle color change. Color will develop even at a Tack Fuse temperature.

As a hand-ladled and hand-stirred product, there are variations in the Tin content from sheet to sheet. Hold the glass up to light to see the subtle swirls. The swirling areas on the top surface of the glass are where the reaction will take place against a Copper-bearing glass. If you see a lot of swirling prior to fusing, you will likely see a lot of color change after firing and vice-versa. The photos below illustrate higher and lower content sheets on each of the four Opal Copper-bearing glasses that produce the strongest reaction.

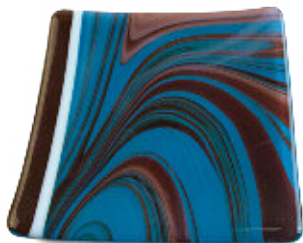


Subtle Clear-on-Clear swirls on the top surface are slightly elevated. These delicate ridges can be felt with fingertips to determine which side is the surface.



Each of the 6-inch projects below were built with the Reactive Fusers' Reserve on top of the Opal Base, accented with a 1/4-inch strip of White, then 1/2-inch strip of Uroboros Red Reactive Transparent 60-003-96.

### 233-75SF Mariner Blue



Higher Content



Lower Content

### 223-74SF Peacock Green

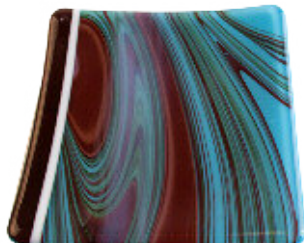


Higher Content



Lower Content

### 233-74SF Turquoise Blue



Higher Content



Lower Content

### 230-76SF Dark Blue



Higher Content



Lower Content





# The **TWO** Fusers' Reserve™ Reactive Glasses *Together!*

**The two new Fusers' Reserve Reactive glasses work beautifully together!**

When fused together, glasses containing Tin and Copper often create a deep Burgundy Red color where the two meet. Until now, the only way to get the desired “reaction,” was to fuse the Tin-bearing glasses with Copper-bearing Blue and Green glasses. While the results are often interesting, the color palette could be a bit ‘louder’ than desired at times. Now you can have the beautiful cool reactions of Tin + Copper all on a **neutral background!** Here’s how....

We cleverly formulated the Reactive Copper Opal glass with enough Copper to yield a great reaction, but remain essentially a White glass when cold or where no reaction occurs. Tin was swirled onto the surface of the Reactive OpalArt glass. When the OpalArt glass is placed **top-side down** onto a Base of Fusers' Reserve Copper Opal, the two react. What you see after firing are lovely variations of Pink swirls (along with some beige and tan shades where the Tin lies deeper within the OpalArt glass) shown in the images here.



## When Working with Reactive OpalArt

Since the Tin lies mostly on the surface of the OpalArt glass, **you must find the topside of the piece and place it against a Copper-bearing glass for a reaction to take place. To find the topside:** there will be slight ridges wherever there are swirls – running your finger or fingernail along each side should tell you which side is the surface.

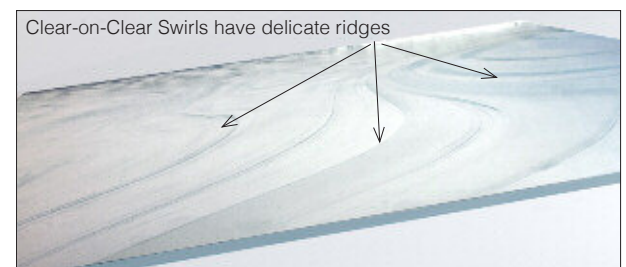
**Note:** As a hand-ladled and hand-stirred product, there are variations in the Tin content from sheet to sheet in the Reactive OpalArt glass. Hold the glass up to light to see the subtle swirls. The swirling areas on the top surface of the glass are where the reaction will take place against a Copper-bearing glass. If you see a lot of swirling prior to fusing, you will likely see a lot of color change after firing and vice-versa.

**Get to know the glass.** It is strongly recommended that you perform tests with small pieces of the reactive glasses you will be using before creating larger Reactive masterpieces!

**Fusers' Reserve Reactive OpalArt** stock #FUSERSRESERVE/REACTIVE/OA

**Fusers' Reserve Copper Opal** stock #FUSERSRESERVE/REACTIVE/COPPEROPAL

**Above:** Without needing Copper from Blue or Green glasses, Fusers' Reserve Reactive OpalArt yields an elegant reaction when fused on top of the neutral Fusers' Reserve Reactive Copper Opal. Fuse together first and create unique OpalArt sections to incorporate into bigger products!



**Above:** The subtle Clear-on-Clear swirls on the top surface of the Reactive OpalArt glass are slightly elevated. These delicate ridges can be felt with fingertips to determine which side is the surface. CAUTION: Using the wrong side of this glass can prevent a reaction from occurring.

