



Spectrum Glass presents: The System 96® Glass Craft Program

Project Guide

Retro Squares ■ Decorative tile

Glass Cutting: **Simple straight lines**

Firing: **Full fuse**



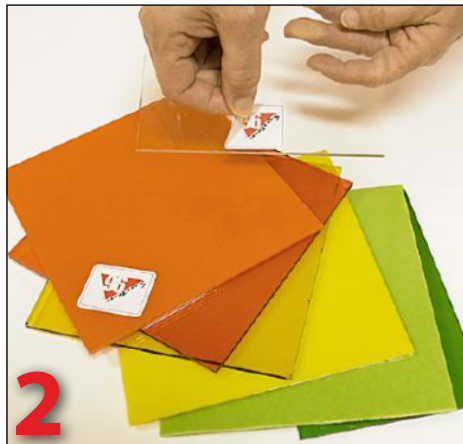
Stacks of squares and rectangles create softer concentric shapes when full fused — a classic look in glass fusing.

**WATCH
THE VIDEO!**

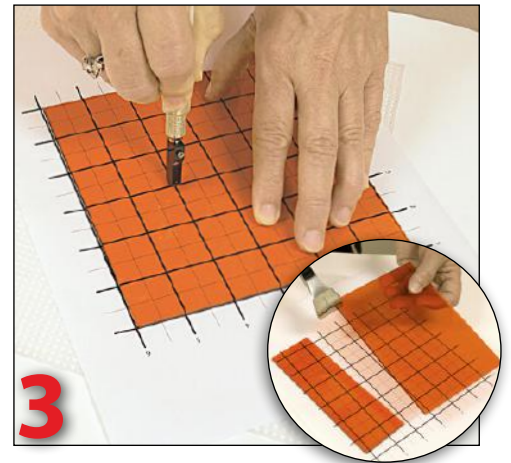
www.system96.com/start

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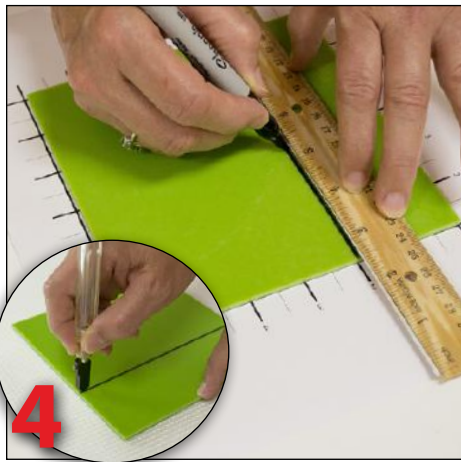
If you're just beginning to work with glass, it's very important that you watch the video posted at www.system96.com/start. In this video, we show you how easy it is to **cut glass** and we guide you, step by step, through making this first project. After watching the video, this Project Guide will serve as a reminder of each of those steps and provide you with the Cutting Grid (to make cutting even easier).



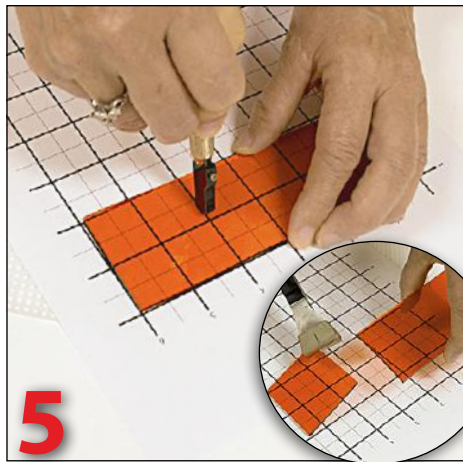
Choose a color palette made up of both Transparent and Opal (opaque) glasses, including White Opal. We're using a bright springtime palette of Yellow, Orange, and Green on a Clear 6-inch Base. Remove all labels from the glass. Use a wet paper towel or cloth to rub off any residue left behind from the label.



Lay a transparent glass square over the Cutting Grid (page 3 of this Guide) and "score" along the second line to create a 2-inch strip. (Refer to the video for scoring instructions.) Using the Running Pliers (*with the screw facing up*), "break" away the strip. Continue in this way to make 2-inch strips of all the Transparent glass you will be using in the project.



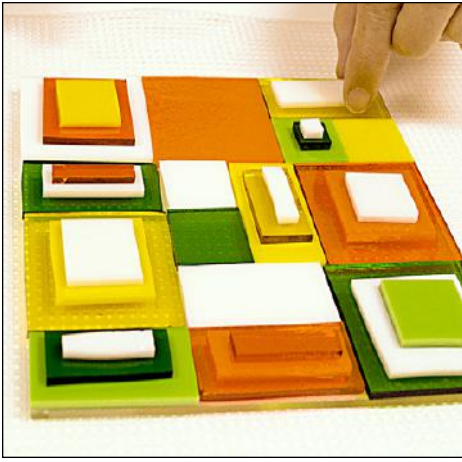
For the Opal (opaque) glasses, align a ruler with the Grid and lightly draw a "cutting line" on the glass with a black Sharpie® Ultra Fine Point permanent marker. (Marks from this type of pen usually burn off during firing.) Use this line to guide your score. Use the Running Pliers to break away the strip. Continue in this way to make 2-inch strips of all the Opal glass you will be using in the project.



Using the Grid, score and break a 2-inch square from each of the 2-inch strips you cut in Steps 3 and 4. Now you can begin arranging your first layer of glass on the Clear Base. A variety of sizes makes the design more interesting, so use the Grid to cut a few 1x1-inch squares and 2x1-inch rectangles of some of the colors, etc. (See our arrangement of layer 1 in the photo in Step 6.)



When you have the Base covered evenly, use a toothpick to apply pinpoints of White Elmer's® School Glue to each piece and adhere them carefully to the Clear Base. (Note that this small amount of glue is used simply to hold everything in place as you transport your project into the kiln.) Allow the glue to dry before firing.



Score and break smaller versions of the shape of each piece in your first layer design. Use pinpoint amounts of glue to adhere them in place. Score and break even smaller shapes for the third, and final, layer on top of each of those pieces, mimicking the shapes below, only smaller.

Note that Transparent and Opal versions of the same color look great together and White makes colors visually “pop.” (Remember that Transparent color allows the color below to show through!)

When finished, place your piece carefully onto your kiln shelf lined with a piece of PAPHYROS® Kiln Shelf Paper. (The paper should always extend at least a 1/2-inch beyond the dimension of the project to allow for the expansion of the glass.) Fire using a Slow Full Fuse automatic setting or programmable schedule.

Materials We Used

Base: 6-inch Clear Square


Glass Colors:

- 161SF Transparent Yellow
- 171SF Transparent Orange
- 526-2SF Transparent Moss Green
- 267-72SF Sunflower Yellow Opal
- 60-2702-96 Orange Opal
- 226-74SF Amazon Green Opal
- 200SF White Opal

Spectrum Glass

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Variations

This design style is a classic look in glass fusing and can be used in various ways as seen in some of these examples. Now that you know the basics, try another version. Maybe invest in a mold and turn one of your tiles into a dish. To find glass molds, add to your fusing supplies, or sign up for classes, see your local Art Glass Retailer. If you need help finding a Retailer, visit system96.com and look for the “Where to Purchase” link.





Project Cutting Grid

	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						