



### Fluted Heart

Two of our favorite ways to use this design are as picture frames and ornaments. Instructions for creating both are below.



### Preparing the Mold

All Colour de Verre molds must be primed so the glass doesn't adhere to the molds' ceramic material. There are two choices for primers: Hotline Primo™ Primer and ZYP BN Lubricat. The ZYP is the easiest to apply and remove. It is an aerosol and, after firing, brushes off easily from the molds and can be washed off the pieces. Castings created using ZYP have exceptionally smooth surfaces and almost never require grinding or "cold work."

Primo is a traditional kiln wash that is applied with an artist's brush. It's a trusted and proven

product, but requires a bit more "elbow grease" to remove after firing. Primo's big advantages are its low cost and availability.



Brief instructions for each option follow:

To apply ZYP, hold the well-shaken can 10 to 12 inches from the mold. Hold both the mold and the spray can upright. Apply the first, light coat using a two to three-second burst of spray in a sweeping pattern across all the mold's cavities. Do not saturate the surface. If it is the first time ZYP has been applied to this mold, it is necessary to apply a second coat of the product. Before applying the second coat, let the mold dry for five minutes. Apply the second coat using another two to three-second burst of spray. In either case, let the mold dry for ten to fifteen minutes before filling. Again, the double coat of ZYP need be only applied the first time. Thereafter,

only one coat is necessary. For more information about ZYP, visit Colour de Verre website's Learn section. Then, download and read *Advanced Priming with Boron Nitride Aerosol*.

If you choose to use Primo Primer, give your mold three to four thin, even coats of Hotline Primo Primer kiln wash. Use a soft artist brush to apply the Primo Primer and a hair dryer to completely dry each coat before applying the next. Again, more detailed instructions can be found in the Learn section of Colour de Verre's website. See *Tricks of the Trade*. When using Primo Primer, best results are obtained when using fine frit. Larger frit can produce excessive casting spurs that require cold work.

### Filling the Mold

The Fluted Heart can be filled with as little as 25 grams of frit or as much as 70. If the user is creating an ornament, a lower fill weight is recommended. For frames; use a larger fill weight. We find the best results are usually obtained by "diluting" colored frit with clear frit. Even dark, opaque colors like blacks and browns become much more rich when mixed with clear frit. (See our document *Creating Frit "Paint Chips"*) It is im-

### Availability

Colour de Verre molds are available at fine glass retailers and many online merchants including our online store, [www.colourdeverre.com](http://www.colourdeverre.com).

### Tools

- ✓ Small artist's brushes
- ✓ Digital scale
- ✓ Colour de Verre Fluted Heart design
- ✓ Crafting knife

### Supplies

- ✓ Fine and powder frit; colored and clear
- ✓ 1/8" or 3/16" Foam core or mat board
- ✓ ZYP or Hotline Primo™ primer

important to remember that, when using frit, to wear a dust mask.



For this designs, we find that fine and powdered frit produces the best results, but other frit meshes can be used. Evenly fill the mold with between 25 and 70 grams. Fire according to the General Firing Schedule.

### Reusing the Molds

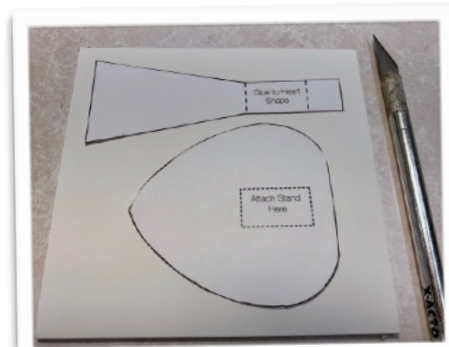
Clean mold thoroughly after each firing with a stiff, nylon bristle brush. Avoid breathing any dust by wearing a proper dust mask. Reapply primer before subsequent firings.

If correctly primed and fired, a Colour de Verre mold will yield many castings.

### Creating a Picture Frame

Start by casting a Fluted Heart with 70 grams of frit. Print the template on the final page of this document. Use glue or contact

adhesive to attach the trimmed template to a small piece of 1/8" or 3/16" foam core or standard mat board. Using a X-acto blade (or some other similar crafting tool) to cut along the indicated lines producing a heart-shaped piece and a somewhat rectangular piece.



The rectangular piece will be folded to create the stand. In the case of foam core, make these folds precise and neat, make cuts partially through the form core along the dotted lines. Use the X-acto blade to cut halfway through

the board. The uncut paper on the board's opposite side will become a "hinge." It is not necessary to make these cuts if using mat board.



Fold along the cuts according to the fold diagram that accompanies the templates to create the frame stand. Use a dab of glue to hold the folds in place.

Cut the image to the same size as the heart-shaped piece of board. Attach the image to the foam core shape. Glue the stand to the back of the heart-shaped form core. Finally, glue the heart-shaped foam core to the glass casting.



*Add cast elements with our Wings design to create a unique piece.*

### General Firing Schedule\*

Segment	Ramp	Temperature	Hold
1	300°F/165°C	1450°F (785°C)	10 minutes
2	AFAP	900°F/482°C	30 minutes.
3	150°F/85°C	600°F/315°C	OFF

\*Schedule for COE 90 or Bullseye glass. For COE 96, decrease casting temperature by 20°F/10°C. Anneal at 960°F/515°C. AFAP means "As Fast As Possible", no venting.