



## Round Leaf Lamp

*Using Colour de Verre's Assorted Small Leaves and Leaves (3) molds makes for a great looking lamp. However, you are welcome to vary this project by choosing any mold designs and color combinations that fit your taste and decor.*

Given the finished results, this project might seem a bit overwhelming. However, if you look at it as four steps, completed over a few afternoons or evenings, the project isn't at all intimidating:

1. Create the leaves. This will take one or more firings depending on your design, the number of molds, and the size of your kiln.
2. Tack fuse leaves to the sheet glass panels. With many kilns, this can be done in one firing.
3. Slump – really drape – the panels over the 5" Diameter Panel Former.
4. Assemble the lamp.

Start by cleaning the molds with a stiff nylon brush to remove any old kiln wash. Then give each mold four to five thin, even coats of Hotline Primo Primer. It is the only primer we recommend because it doesn't obscure the mold's fine detail and is easy to remove after firing. Use a soft brush to apply the primer and a hair dryer to completely dry each coat before applying the next. The mold should be completely dry before filling.

To keep the leaves delicate, use only 2, 3, 4, 5, and 7 grams in the Small Assorted Leaves mold and 15 and 18 grams in the Leaves (3) mold. Weigh the empty molds and note their weight. The filled Small Assorted Leaves will weigh 21 (i.e. 2+3+4+5+7) grams more. The

filled Leaves (3) mold will weigh 33 grams more. (If you are using designs other than the two suggested, download *Fill Weights at a Glance* from our website. Use the "Thin Fire" weights and firing schedules.)

The filling technique is the same for both the Small Assorted Leaves and the Leaves (3).

Highlight the leaves' veins by sprinkling just enough fine Dark Green frit into each leaf to fill the veining. Gently tap the mold to cause the frit to settle into place. Place the mold on the scale and evenly sprinkle fine Citron into the cavities until the scale reads 21 grams (33 in the case of the Leaves (3) mold) more than the mold's empty weight. The mold's cavities will only be about one-half full.

Gently tap the mold to level the surface. Place the mold or molds in the kiln and fire according to the following schedule:

### Tools

- ✓ 5" Diameter Round Panel Former
- ✓ One or more Small Assorted Leaves and Leaves (3) molds.
- ✓ Small priming brush
- ✓ Digital scale
- ✓ Aleene's Tacky Glue

### Supplies

- ✓ Hotline Primo Primer
- ✓ Fine Citron and Dark Green frit
- ✓ 8 Dark Green noodles
- ✓ 5" Diameter Round Lighting Hardware
- ✓ Citron sheet glass
- ✓ Medium Citron frit

**COE 96\* Casting Schedule**

- Seg 1 300°F/hour to 1325°F (720°C), Hold 10 minutes
  - Seg 2 AFAP to 960°F (515°C) no venting
  - Seg 3 60°F (35°C)/hour to 700°F (370°C)
  - Seg 4 Off, cool kiln, don't vent
- \* Increase 25°F (15°C) for COE 90

Tacky Glue. Collage you cast leaf elements into a pleasing design and lightly glue them into place. Once the glue dries, sprinkle a layer of medium Citron frit between the leaves on both panels making sure that the sheet glass is completely covered and no stray frit is on the noodles or leaves.

Tack fire the panels using this schedule:



One thing that can't be stressed enough: Don't rush the slump firing. Between the frit, noodles, and leaves there is quite a variation in the panels' thicknesses. They require a slow ramp and cool down to avoid thermal shock.

Instructions to mount the panels onto the 5" Round Lighting Hardware can be found in the hardware's box. But here are some pictures to illustrate how easy it is.

Layout the parts. Special adhesive pads are used to attach the metal hardware to the glass.



Cut two pieces of single-thickness glass to 7.5" by 10" (19 cm by 25.4 cm).

**COE 96\* Tack Schedule**

- Seg 1 200°F/hour to 1150°F (620°C), Hold 30 minutes
- Seg 2 AFAP to 1260°F (680°C), Hold 10 Minutes
- Seg 3 AFAP to 960°F (515°C), Hold 90 Minutes, No Venting

- Seg 4 40°F (22°C)/hour to 700°F (370°C)
- Seg 5 60°F (35°C)/hour to 400°F (200°C), Off, No Venting

\* Increase 25°F (15°C) for COE 90

Removed the cooled panels from the kiln and make sure the frit, noodles, and leaves are securely bonded to the Citron sheet glass.

The panels are next slumped over the 5" Diameter Panel Former. Follow the instructions that came with the former.



Frame the two panels with eight Dark Green noodles. (We find the easiest way to cut the noodles is with a mosaic tile cutter.) The noodles serve as dams to keep the frit in place. Glue the noodles into place with a few drops of Aleene's

## REUSABLE MOLDS FOR GLASS CASTING

Use the L-Brackets and adhesive pads to attach the panels to the base.



Secure the panels using the Top Brackets.



Different light styles and wattages will complement or distract from your design. Choose a lamp that illuminates the design without “washing” it out.



Install the pre-wired socket and cord. It just snaps into place.



*Expand upon this project using the Branches, Honey Bees, Blossoms, and Assorted Small Leaves designs.*