

# Oval Koi Fish Bowl

*Creative Paradise Inc.*

## Materials:

- [LF146 Koi Fish](#)
- [GM234 Small Oval Shelf Ring](#)
- [GM236 Small Oval Dam](#)
- COE96 Glass (See Below)
- Suitable Glass Separator/ZYP
- Frit Placement Tools
- Glass Cutting Supplies
- 1" Kiln Posts
- Kiln Shelf Paper

## Suggested Glass:

- F1 Powder Frits:
  - Black
  - Flame Opal
  - Orange Opal
  - Marigold Opal
- F2 Fine Frits:
  - Dark Amber Trans.
  - White
- F3 Medium Frits:
  - Clear
- F2 Fine **OR** F3 Med. Frits:
  - Citron Trans.
  - Ming Green Trans.
  - Dark Amber Trans.
- Sheet Glass:
  - Ming Green Trans.
  - Citron Trans.
  - Sea Green Trans.



**Example 1**

**BEFORE BEGINNING:** Prepare the molds thoroughly with suitable glass separator. We recommend spray-on ZYP. **Always wear a mask when applying spray-on separator or using powder frits.**

## Step 1: Make the Koi Fish ([LF146](#))



**Image 1**

Once the separator is dry, begin by placing F1 Black into the fins, lips, and eyes of each koi. Add bits of F1 Flame Opal around the heads and bodies to begin the koi patterns.



**Image 2**

Use various hues of F1 Yellows and Oranges to create the rest of the body patterns. Orange Opal and Marigold Opal were used here.



**Image 3**

Sprinkle F1 Dark Amber here and there to finish the patterns.



**Image 4**

Back everything with F2 White until each koi is filled between 1/4" to 3/8" deep with frit. Fire using the suggested schedule in **Table 1** or your own preferred Tack Fire.



**Image 5**

Since these castings will be included inside a larger piece they are intentionally very thin and will be quite textural. Clean off any residual separator if necessary before moving on.

**Table 1: Tack Fire\***

Seg.	Rate	Temp (°F)	Hold
1	300	1150	20
2	350	1400	05
3	9999	950**	60

\*\*If using COE90, adjust this to 900°F

\*Before firing, it's important to know your kiln. For tips on how to do that, [please click here to see our Important Firing Notes!](#)

**NOTE:** For this project you only need two fish! However, it's good to have an extra in case anything happens to one of the other two, as these tack fired castings can be rather fragile.



## Step 2: Make the Bowl ([GM236](#))

Image 6



Fill the bottom of the primed Oval Dam with cut or nipped pieces of Ming Green, Citron, Sea Green, or other transparent greens. Take care not to let the sharp edges of the pieces remove any separator as you place them.

Image 7



Fill the gaps between the pieces with F2 Fine or F3 Medium Citron, Ming Green, and Dark Amber frits.

Image 8



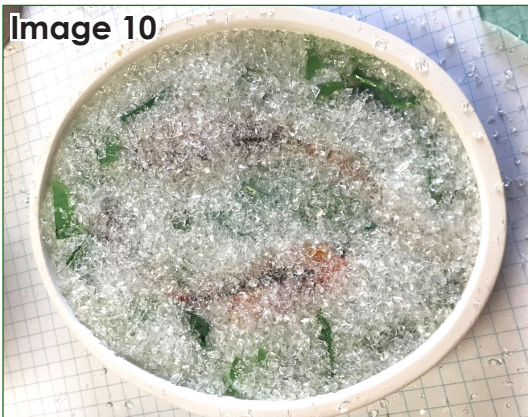
Arrange two of the koi fish on top of this first layer of glass as desired.

Image 9



Nip or cut smaller pieces of Ming Green, Citron, Sea Green, or other transparent green shades to fill the space around and above the koi.

Image 10



Back everything with F3 Clear until full. If using fill weights this is about 280 grams of glass. Make sure there is at least a thin layer of glass over each koi to assure a smooth final bowl. Place the filled mold on 1" Kiln Posts on a level shelf in the kiln and fire using the suggested schedule in **Table 2** or your own preferred Full Fuse.

Table 2: Full Fuse\*

Seg.	Rate	Temp (°F)	Hold
1	300	1150	60
2	50	1310	30
3	350	1465	10
4	9999	950**	90
5	100	700	05

\*\*If using COE90, adjust this to 900°F

\*Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use. For tips on how to do that, [please click here to see our Important Firing Notes!](#)

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## Step 3: Shape the Bowl ([GM234](#))

Image 11



Once the glass has fused and cooled, gently remove it from the Dam.

Image 12



Place the primed Shelf Ring on a suitably sized sheet of Kiln Shelf Paper on a level shelf in the kiln. Center the fused glass on top of the Ring and fire using the suggested schedule in **Table 3**, adjusted as needed for your kiln. For a bowl with a gentler slope like **Example 2** below, adjust the temperature in **Segment 2** to 1250°F.

**Table 3: Drop\***

Seg.	Rate	Temp (°F)	Hold
1	275	1150	20
2	350	1300	05
3	9999	950**	90
4	100	700	05

\*\*If using COE90, adjust this to 900°F

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**Example 2:**  
Slumped to 1250°F in Segment 2

**Example 1:**

Slumped to 1300°F in Segment 2



**Example 1**



**Example 2**

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