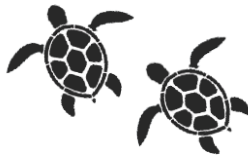


Reactive Turtles

Art Glass Supplies
Create Inspire Fuse

Materials:

- LF258 Two Small Turtles
- COE96 Glass (See Below)
- Suitable Glass Separator/ZYP
- Frit Placement Tools



Suggested Glass:

- | | |
|---------------------------|--------------------------|
| - <u>F1 Powder Frits:</u> | - <u>F5 Coarse Frit:</u> |
| - Black | - Clear ** |
| - Persian Green Opal * | - <u>Optional Other:</u> |
| - <u>F3 Medium Frits:</u> | - Decorative Dichroic |
| - Persian Green Opal * | Pieces (CBS "Fish |
| - Vanilla Cream Opal | Medium" used here) |
| - Light Green Trans. | |
| - Dark Green Trans. | |

* Peacock Green Opal also works
** F3 Medium Clear also works



Prepare the mold thoroughly with suitable separator before beginning. We recommend spray-on ZYP. **Always wear a mask when using spray-on separator or using powder frits.**

Image 1



Begin by adding a bit of F1 Black to the eyes. Clean up any frit that falls outside the eye area. Patting the powder down gently with a clean finger can help hold it in place.

Image 2



Sprinkle grains of F3 Persian Green along the heads and fins.

Image 3



Add F1 Persian Green to the outer ring of scutes on the shells. Clean up any that falls inside the shells. Press the powder gently up the sides of the mold to keep the shell shape during firing.

Image 4



Place a layer of F3 Almond Opal into the fins and heads, again taking care to clean up any pieces that stray into the shells.

Image 5



Add some F5 Clear into the center of the inner shells. If using Decorative Dichroic pieces like in the turtle on the left, place them on top of the Clear.

Image 6



Add a bit more F5 Clear, then sprinkle a few grains of F3 Dark Green Trans around it.

Image 7



Add more F5 Clear and sprinkle in a few grains of F3 Light Green Trans here and there.

Image 8



Continue adding layers of F5 Clear and F3 Light and Dark Green to the shells. If not using the Decorative Dichroic pieces, adding a few bits of F3 Persian Green can help add contrast.

Image 9



Add more F3 Almond Opal to the limbs and heads until the mold is full, concentrating on the areas where they meet the shell. If using fill weights this is about 58 grams of glass per turtle.



Image 10



Transfer the filled mold to a level shelf in the kiln and fire using the suggested schedule in **Table 1** or your own preferred Full Fuse.

Table 1: Full Fuse*

Seg.	Rate	Temp (°F)	Hold
1	275	1150	45
2	50	1330	30
3	350	1460	10
4	9999	950**	90
5	100	800	10

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

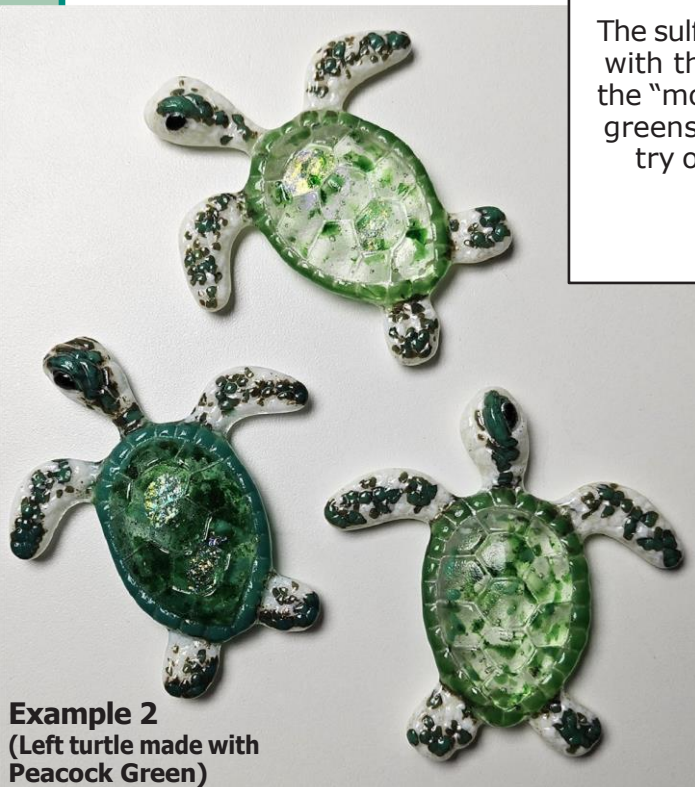
*Before firing, it's important to know your kiln to see if you need to adjust our suggested schedules for your use.

Combining reactive colors is a great way to make a project pop. Most manufacturers provide lists of which colors contain which reactive compounds.

The sulfur-heavy Vanilla Cream in this project reacts with the copper in the Persian Green to produce the "mottled" effect in the limbs of the turtles. Most greens and blues contain amounts of copper, so try out a turtle or two in your favorite shade!



Example 1 (Close Up)



Example 2 (Left turtle made with Peacock Green)

Featured Mold:



LF258 Two Small Turtles

Mold: 8" L x 5" W x 1.75" T

Castings: 4" x 3.5" each

Fill Weight: 58g each