Art Glass Supplies
Create Inspire Fuse

Mermaid Fountain

Molds: Creative Paradise, Inc. LF149 Seahorse/Starfish, LF150 Shells, GM183 6" Round PG Dam Mold, GM149 Dome Drape.
COE 96 Frits:
F1 Powdered frits - Plum Opal, Mauve Opal, Peacock Green Opal, Medium Amber, Orange, Yellow, Blue Topaz, Moss Green.
F2 Fine Frits- Medium Amber, Ivory, Cloud, Champagne, Pale Blue.
F3 Medium Frits- Almond or Vanilla Cream.
Other materials: Zyp BN Aerosol spray, 50 GPH submersible fountain pump, several inches of vinyl tube of 1/4" ID and .17" dia.


Image 1

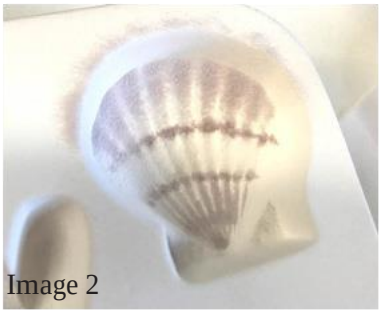
Image 2

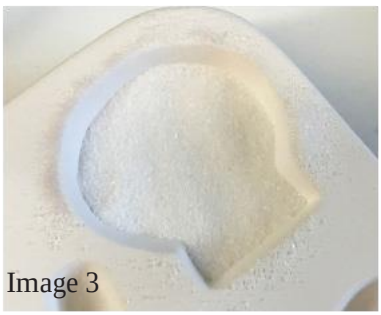
Image 3


Image 4

Using the instructions in "Colorful Mermaid Bowl" create the frit colored and textured mermaid water bowl.

Treat a GM183 6" round Patty Gray dam mold with Zyp BN glass separator. Place a thin layer of Medium Grain Almond in the bottom of the dam mold to cover the bottom of the mold. Sprinkle a mixture of Fine Almond, Cloud and Champagne frit ontop of the Almond until the mold holds roughly 100 grams of frit. Sprinkle Medium Amber frit onto the opaque frit concentrating the Medium Amber frit at the edge of the mold (image 1).

Use powdered Plum Opal, Mauve Opal, and Medium Amber frit with a small frit sifter to add stripes and enhance the texture of the shells found in LF150. Fill some of the shells with Fine Ivory and some with Champagne until the cavities are about 1/4" filled (image 2 & 3).

Use powdered Peacock Green Opal, Orange Transparent, Yellow Transparent, Blue Topaz Transparent frit in various areas of the Seahorses found in LF149. Add a thin layer of Fine Pale Blue over the entire area of the Seahorse cavities. Fill the seahorse cavities with fine clear until it holds roughly 1/4" of frit (image 4 & 5).

Use powdered Plum Opal, Peacock Green Opal, Mauve Opal and Moss Green to enhance the details of the bottom of the starfish cavities found in LF149. Back the small Starfish with fine grain Almond frit and the large star fish with fine grain Champagne Opal frit until the large cavity holds roughly 1/4" of frit (image 6 & 7).

Fire the frit in the GM183, LF149 and LF150 using the tack fuse schedule found in Table 1.

Table 1. Tack Fire*

Segment	Rate	Temp	Hold
1	350	1215	20
2	50	1250	20
3	350	1365	05
4	9999	950	60


Image 5


Image 6


Image 7

*See firing notes.


Image 8


Image 9


Image 10

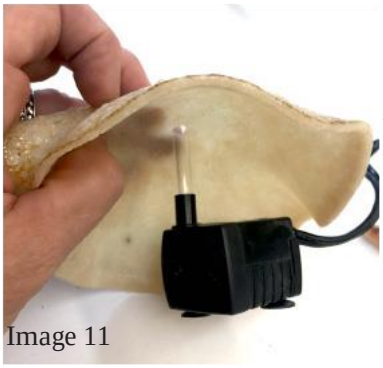
Image 11


Image 12

After the kiln is allowed to cool, remove the glass and wash it to remove any residual glass separator (image 8 & 9).

Center the round disk of glass formed in the GM183 over a GM149 Dome Drape that has been treated with a glass separator in a kiln (image 10). Drape the glass over the mold using the slump firing schedule found in the Colorful Mermaid Bowl tutorial.

Use a diamond 1/4" core drill bit to drill a hole in the center of the two starfish and the mound of sand created over the GM 149.


Image 15

Constructing the Fountain:

-Cut a 1.25" piece of1/4" inside dia. vinyl tube.
-Place the vinyl tube into the pump. You may need to make a small slit in the bottom of the tube to fold the tube in slightly to get it to seat into the output tube of the pump.
-Place the vinyl tube through the center hole in the sand mound (image 11).
-Place the larger starfish on the vinyl tube protruding from the sand (image 12).
-Cut a 1/4" thick portion of .17 dia dia vinyl tube. Place the small section of .17" dia. vinyl tube onto the 1/4" dia. vinyl tube that is protruding from the larger starfish. This small section serves to give separation between the two starfish and it optional (image 13).
-Place the smaller starfish onto the vinyl tube and trim excess tube if necessary (image 14).
-Place the pump-sand-starfish arrangement into the center of the mermaid water bowl (image 15).
-Arrange the seahorses and shells at the base of the sand (image 15).
-Fill the water bowl with approximately 2" of distilled water and plug in the pump.

Take care to keep the pump submerged in water when it is running.


Image 13

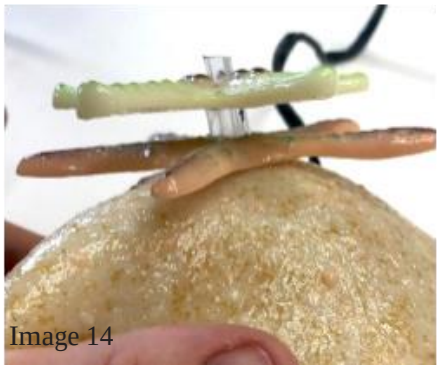
Image 14