

HANG TIGHT!

Creative Paradise Inc.

BASIC MATERIALS:

- [LF267 Bails](#)
- Suitable Glass Separator (ZYP Recommended)
- Fine Grain Frit
- Kiln Shelf Paper

The LF267 Bails have a wide variety of potential applications and projects. They can be used alongside decorated sheet glass for truly unique ornaments, attached to frit castings for fun themed designs, or used with smaller pieces to create necklaces and pendants.

This tutorial will first walk you through making and attaching bails, then the basic steps for a handful of potential projects to give you a sense of how to utilize this small but mighty mold. Any additional materials are listed with their associated project, and all projects featured can be done with either COE90 or COE96 glass, as long as schedules are adjusted accordingly.

LF267 Bails

Mold:
5" L x 5" W
Cavities:
1.25" x 0.75"
Fill Weight:
1g per bail



Treat all molds thoroughly with suitable glass separator before beginning. We recommend spray-on ZYP.

Wear a mask when applying spray-on separator or using dry powder frit.

MAKING AND ATTACHING:

Image 1:



Fill each bail with Fine Grain frit of any color. (Clear, Red Opal, and White used here) If using fill weights, this is about 1g per bail.

Image 2:



Once filled, transfer to a level shelf in the kiln and fire using the suggested schedule in **Table 1**, adjusted as needed for your kiln.

Table 1: Fuse and Attach Bails*

Seg.	Rate (°C/hr)	Temp (°C)	Hold
1	139	93	00:30
2	208	760	00:05
3	9999	510	01:00

* The firing schedule is crucial for making and using bails, as **firing too hot will seal the holes**. This is a suggested schedule for both fusing and attaching. However, you know your kiln best; adjust it as necessary, though mind your top temperature. For more on adjusting schedules for your kiln, [refer to our Important Firing Notes here](#).

Image 3:



Bails can attach behind (**Image 3**) or in front of (**Image 4**) glass. Choose according to your design and artistic preferences, and layer the bail and glass atop a sheet of kiln shelf paper on a level shelf in the kiln. Projects **between 3" to 3.75" in diameter** work best with these bails.

Image 4:



Image 5:



Arrange any other bails and ornaments on the kiln shelf paper as desired and fire using the schedule in **Table 1**, adjusted as needed for your kiln.

IDEA 1: SLURRY SNOWMAN

For more on frit slurries, [refer to our Basic Tutorial here.](#)

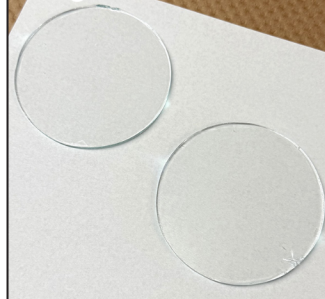


Example 1:

ADDITIONAL MATERIALS:

- Powder Grain Frits
- Standard Thickness Sheet Glass
- Small Cups or Bowls
- Water
- Scoop or Spoon

Image S1:



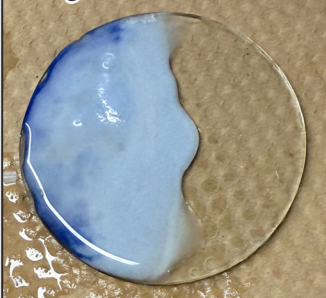
Begin by cutting one 3.75" circle of Clear sheet glass for each desired ornament. Clean each well.

Image S2:



Lay one circle atop a sheet of paper and trace around it. Use that outline as the boundary for your design.

Image S3:



Mix a bit of each powder frit in a small cup with just enough water to submerge it. Use a separate cup for each color. *

Image S4:



Refer to your pattern to arrange the slurries on the glass. Small squeeze bottles are a great tool for this.

Image S5:



Bits of stringer can be added atop the slurry to create straight lines.

Image S6:



Once the slurried glass is completely dry, follow the instructions on **Page 1** to attach it to a bail.

* Pat the blue and white slurries with a towel to absorb the extra water and make it easier to place other colors on top.

ADDITIONAL MATERIALS:

- Circle Cutter
- Opaque Sheet Glass
- Glass Enamels

IDEA 2: MODERN ENAMELS

Cut and clean a 3" diameter circle of opaque sheet glass. As with the Slurry Snowman (**Image S2**), tracing around this circle on a sheet of paper can help you sketch out and plan your design.

Apply enamels to the sheet glass according to manufacturer's instructions to create the design. Enamels can be used in both powder and liquid forms. Powder creates looser designs, while liquids can be used like paint. Choose according to your design and artistic preferences!

In order to become glossy, enamels must be fired to a certain temperature. Tack firing temperatures are well above this threshold, so the enamel can be matured in the same firing the bail is attached. Once you are happy with your design, attach the glass to a bail by following the instructions found on **Page 1**, adjusted as needed for your kiln.



Example 2:

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IDEA 3: FRIT CAST FUN

ADDITIONAL MATERIALS:

- Pre-Fused Frit Casting of Choice

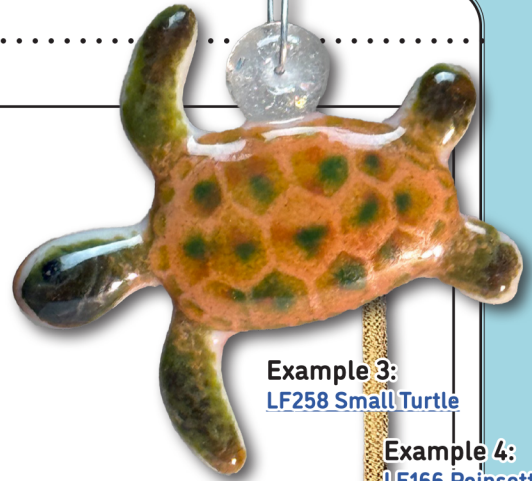
Thinner, tack fired frit castings between 3" and 3.75" wide work best, though smaller castings can be used to create smaller ornaments or pendants. The examples shown to the right also list which mold was used to create the casting.

Place the tack fired casting onto a sheet of kiln shelf paper then arrange the bail in front of or behind it as desired. Generally, placing the bail behind the frit casting works best for maintaining the visual distinction of the casting. Once arranged, fire using the suggested schedule found in **Table 1** on **Page 1**, adjusted as needed for your kiln.

Example 5:



Do note that the casting will lose some definition in the attachment firing, so if using a detailed casting it can be helpful to fill the casting in a way that accentuates the details (**Example 3**). This way, when the raised or lowered details smooth during firing they are still visible in the colors and patterns of the frit.



Example 3:
LF258 Small Turtle

Example 4:
LF166 Poinsettia



IDEA 4: IRIDESCENT ICICLES

ADDITIONAL MATERIALS:

- Glass Cutting Supplies

Place a pre-fused bail atop a sheet of kiln shelf paper and lay strips of Clear and Clear Iridescent sheet glass on top of and below it (**Image I.1**).

As long as the icicle is thick enough to fully incorporate the bail at the top, it can be quite long. Once all the strips are in place, fire using the schedule found in **Table 1** on **Page 1**, adjusted as needed for your kiln.

Image I.1:



IDEA 5: PERFECT PENDANTS

ADDITIONAL MATERIALS:

- Glass Cutting Supplies

Cut sheet glass can be arranged with a pre-fused bail to create uniquely beautiful pendants. As long as there is enough glass to fully incorporate the bail, smaller pieces and sizes of glass can be used.

Simply arrange the pieces of sheet glass around, on top of, or under the bail and fire using the suggested schedule found in **Table 1** on **Page 1**, adjusted as needed for your kiln.

Try dichroic or iridescent sheet glass for a bit of sparkle!



Example 6:

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