

Hi-Lo Light Leak Bowl

Creative Paradise Inc.

Materials:

- GM263 Hi-Lo Bowl
- GMI26 Patty Gray Round Dam
- COE90 Glass (See Right)
- Suitable Glass Separator/ZYP
- Glass Cutting Tools
- Kiln Shelf Paper
- Textured Waffle Paper or Other Thick, Foldable Material
- Hammer
- Soft Brush
- Kiln Posts

Suggested Glass:

- Fine Frit:
 - Turquoise Blue
- Medium Frits:
 - True Blue
 - Clear
- Sheet Glass:
 - Clear
 - French Vanilla

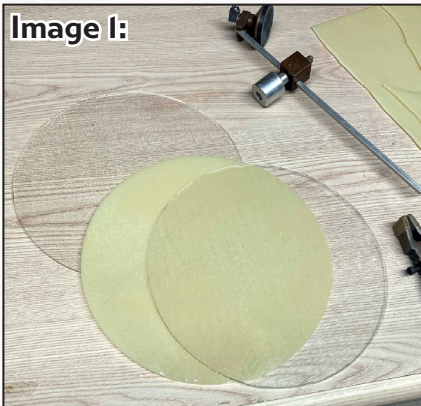
This technique can be used with a variety of molds, but we particularly like the Hi-Lo Bowls due to their tilt that allows light to leak through.

Prepare the molds thoroughly with suitable separator before beginning. We recommend spray-on ZYP. **If using spray-on separator, always wear a mask during application.**



Example 1:

Image 1:



Begin by cutting one 10.25" diameter circle of Clear, one 9.75" dia. circle of French Vanilla, and one 9.75" dia. of Clear. Clean each circle well after cutting.

Image 2:



Place a 10.25" dia. circle of kiln shelf paper in the bottom of the treated GMI26 Dam. Place the clean 10.25" dia. circle of Clear on top of the paper.

Image 3:



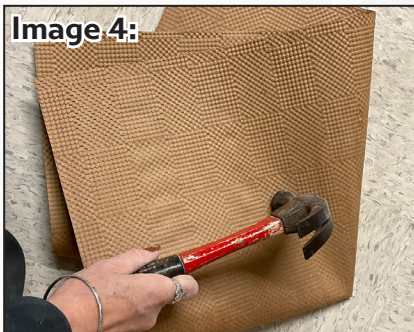
Fold the waffle paper into fourths and place the 9.75" circle of French Vanilla in the middle so there are two layers of paper behind it and two on top.

CONVERSIONS:

10.25" = 26.03 cm
9.75" = 24.76 cm

For a general video walkthrough of this process using a different dam mold and glass colors, [please click here!](#)

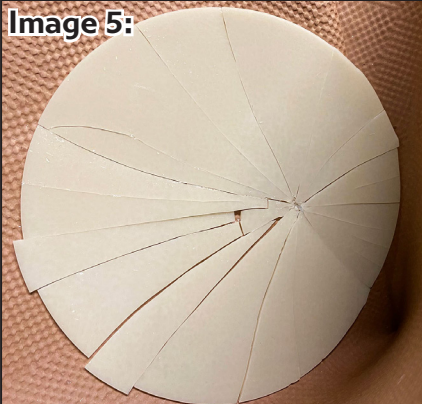
Image 4:



Strike the glass inside the paper slightly off-center with the hammer.

For a simpler, alternative version of this process that produces similar results but does not require a dam mold or nearly as much glass, refer to [our "Hammer Time" tutorial here.](#)

Image 5:



Take care to keep the pieces in the arrangement that you find them in when you open the waffle paper.

Image 6:



Place the French Vanilla pieces atop the Clear in the mold in the same arrangement. Keep a gap between each piece and leave an empty space where they meet.

Image 7:



Add Fine Turquoise Blue frit over the cracks between the French Vanilla pieces.

Image 8:



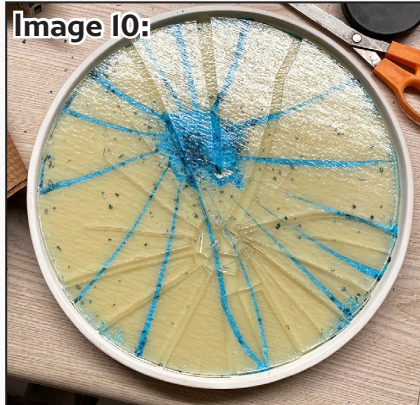
Use a soft brush to sweep the frit into the cracks and central void and off of the pieces themselves. Cast a few bits of Medium True Blue frit here and there around the mold.

Image 9:



Use the waffle paper and the hammer to break the 9.75" Clear circle off-center as you did with the French Vanilla in **Images 3 & 4**.

Image 10:



Place the pieces of Clear over the French Vanilla and frit so that the void where the hammer hit the Clear **is not** over the void where it hit the Vanilla. Try to cover the cracks in the Vanilla with the Clear pieces.

Image 11:



Add Medium or Coarse Clear frit into the cracks of the fragmented Clear circle. Make sure that all cracks are completely covered and that there is **at least 6mm** of glass **everywhere** in the mold. *

* Volume control is **vital** in this project. While a uniform 6mm of thickness over the entire dam is the absolute minimum, this project works best with a uniform full three layers, or 9mm. Don't skimp on the frit and try as best you can to cover the cracks between the French Vanilla pieces with the Clear pieces on top.

Image 12:



Transfer the mold onto kiln posts on a level shelf in the kiln and fire using the suggested schedule in **Table 1** below or your own preferred full fuse.

Image 13:



Once cool, remove the blank and wash to remove any residual separator if necessary. Center the blank on the primed GM263 Hi-Lo so that the transparent blue area is just above the off-center flat spot in the mold.

Image 14:



Transfer to a level shelf in the kiln and fire using the suggested schedule in **Table 2** or your own favorite slumping schedule.

Example 2:

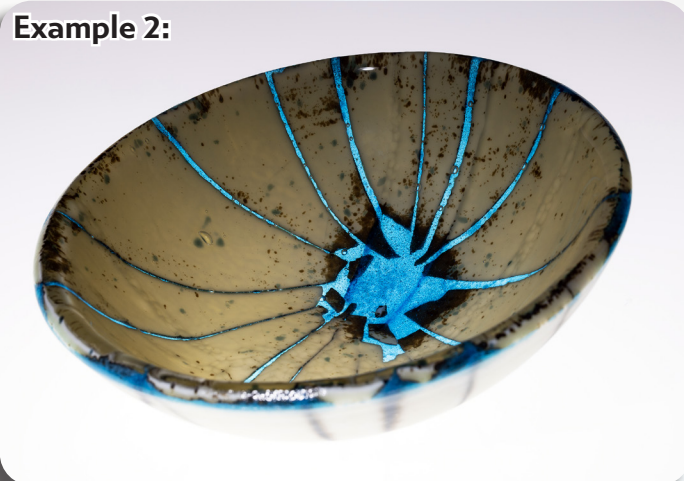


Table 1: Full Fuse *

Seg.	Rate	Temp (°C)	Hold
1	194	621	60
2	28	704	30
3	194	796	10
4	Full	482**	90

**If using COE96, adjust this to 510°C

Table 2: Slump *

Seg.	Rate	Temp (°C)	Hold
1	139	316	20
2	153	677	20
3	Full	482**	90

**If using COE96, adjust this to 510°C

*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!](#)

Example 3:



This technique can be used with a variety of colors and molds to suit your own artistic preferences!

For more information, tutorials, and molds, visit our website:
www.creativeparadiseglass.com

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