CREATIVE GLASS GUILD

Creative Paradise Inc.

Frit slurry

Creative Paradise have developed an interesting and fun way to blend frit colours. With a splash of water mixed with powdered frit you can create amazing results.

TOP TIP **Make sure you wear a mask when using powdered frit**

TOP TIP **Add fine and medium grade frit to create texture**

TOP TIP **Use a full fuse schedule for two layers thick of glass (6mm) and a contour or tack fuse for single layers of sheet glass (3mm)**

TOP TIP **Make sure you use a glass separator on your mould**

It is crucial that you coat your mould with a glass separator so that the glass won't stick to the mould once it is fired. If you don't apply enough glass separator your glass will get stuck or pull out some of the mould. We would recommend using ZYP (Boron Nitride Spray), this comes in a can which can be sprayed easily - spray several light coats in intervals, turning the mould to make sure you coat all the surfaces. Make sure you also wear a mask to avoid breathing in the spray.

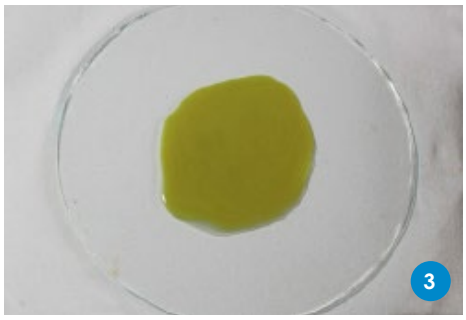
You will need:

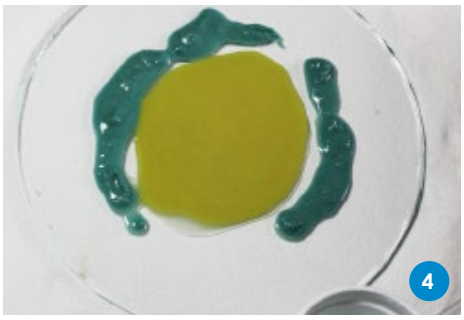
1. **Organic Slump Moulds** Smaller/Small/Large
2. **Small Zinnias Casting Mould**
3. **System 96 3mm Icicle Clear Base Glass**
4. **System 96 Frit 240g Jar - F1 Powder**
5. **System 96 Frit 240g Jar - F2 Fine**
6. **Hang Your Glass Adhesive Set (flat surfaces)**
7. **HXTAL Epoxy/Resin (gap filling)**
8. **Hang Your Glass Original Nesting Stand Off**
9. **Hang Your Glass Locking Stand Off** or **Hang Your Glass Original Super-Duty Stand Off**

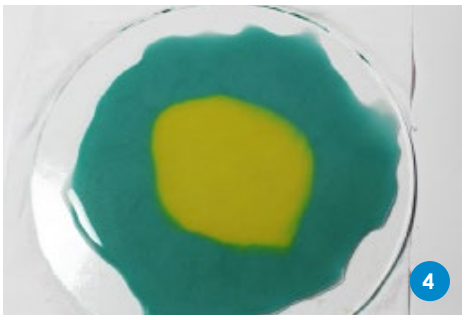
Click on the individual products above to go to the website for prices.

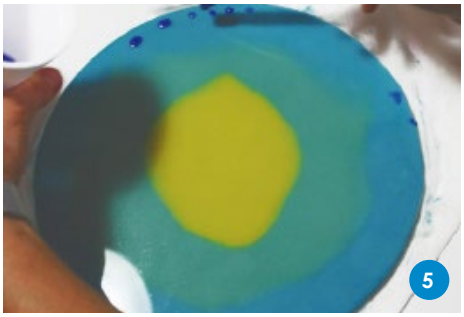
Plus water, spray bottle, paper towels, paper cups or small mixing bowls, plastic knife and spoon. Don't forget to prime your moulds, we recommend the ZYP Boron Nitride spray for the casting mould.

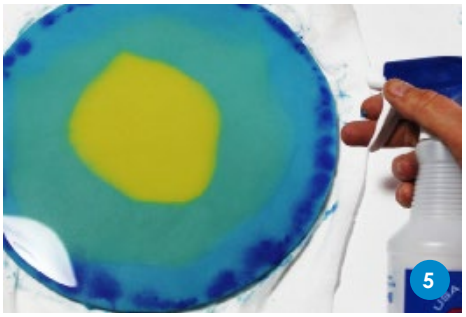
The process

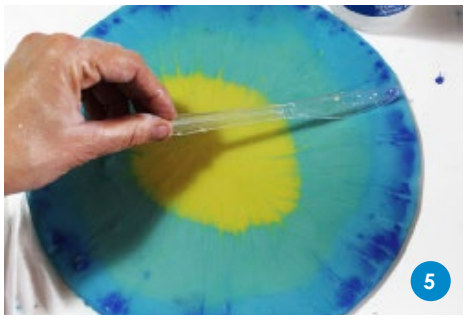


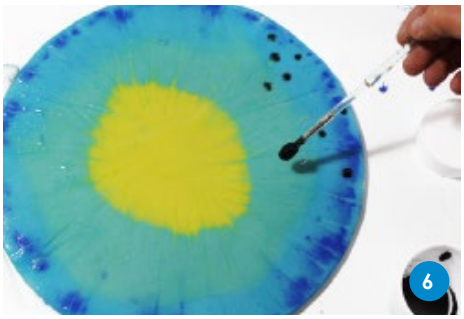


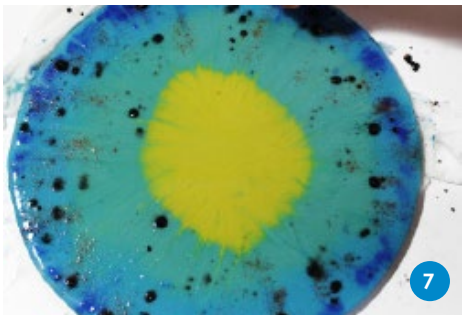












1. Cut and clean a piece of glass
2. Create your first frit slurry mix with powdered frit and a little water and mix until you get a pancake batter like consistency
3. Place this onto your glass then shake the glass gently to evenly distribute the mix
4. Create more frit slurrys in separate pots, using a spoon or other tool dab the mixture around the first slurry then around the edges of the second circle
5. To blend the slurrys spritz the area gently with water then use a plastic knife to drag the colours back and forth into each other
6. Create a black frit slurry and drop or flick spots of the black into the other colours
7. Sprinkle some dry F2 and F3 frit in colours of your choice onto the wet frit
8. Allow to dry for a few hours
9. Once fired you can slump your piece into a mould of your choice

Use the full fuse and slumping schedules overleaf.

The process

System 96 full fuse

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	222°C/hr	to 677°C	0:45
2. Rapid heat process soak	AFAP* or 9999°C/hr	to 796°C**	0:12
3. Rapid cool anneal soak	AFAP* or 9999°C/hr	to 510°C	1:30
4. Anneal cool	100°C/hr	to 427°C	0:10
5. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
6. END	-	-	-

System 96 slump

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1. Initial heat	66°C/hr	to 148°C	0:15
2. Slow heat process soak	148°C/hr	to 593°C**	0:20
3. Top heat	66°C/hr	to 657°C	0:25
4. Anneal cool	204°C/hr	to 510°C	1:00
5. Slow cool anneal cool	66°C/hr	to 427°C	0:10
6. Cool to room temp	AFAP* OR 9999°C/hr	to 40°C	0:00
7. END	-	-	-

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr
** Will vary depending on desired result and kiln

This data is a guide only, firing programmes may need to be adjusted according to size and thickness of glass and the kiln's performance. Ensure that data is entered into the controller accurately, otherwise glass may not fuse correctly.

We slumped our frit slurry into the Large Organic Slump Mould to create the flowers on display behind our counter.

Tutorials from Creative Paradise - more information can be found at www.creativeparadiseglass.com