



Creative Paradise Inc.



Make your own capped iridized striped plate

Make yourself a beautiful iridized striped plate using the Plate Ring 10¼" Mould.

The following instructions enable you to make a mushroom cap using the plate ring mould (CPGM87).

You will need to following to create this project:

- Creative Paradise, Inc. mould CPGM87
- COE96 clear irid, black opal, medium amber transparent & almond opal glass 10" (254mm) diameter
- ZYP



Ensure your mould is well primed before use

By using a primer this will prevent the glass sticking to the mould and potentially damaging the mould and the glass, make sure you use a small brush for detailed areas and dry thoroughly.

Creative Paradise highly recommend using ZYP a Boron Nitride spray due to the high temperatures required, this easy to apply spray can fire up to 982°C. Several light coats with a short waiting period of around 15 minutes between coats is preferable to one heavy coat. Shake the can well before use and hold the can upright while using to assure proper distribution of product. You will need to apply one light coat each time you fire.

The process



1 Cut your glass pieces

Cut one 10" circle each of clear iridized glass, Medium Amber transparent glass, Black opal glass and Almond opal glass.

Cut the black circle into 7 irregular stripes. Reassemble the Black irregular stripes to form a complete circle on the Almond circle. Remove each stripe of Black from the Almond one stripe at a time and use a Sharpee to trace the cut edge of the glass on the Almond. This will duplicate the stripe pattern on the Almond circle. Place the clear iridized circle iridized surface down on the almond circle and look through the glass to duplicate the pattern onto the clear iridized circle with the Sharpee.

Cut along the Sharpee lines on the Almond and Clear Iridized circles to create matching irregular stripes Black, Almond and Clear Iridized glass. Assemble the stripes in an alternating color pattern to form a circle on the 10" Medium Amber circle. Make sure the iridized surface of the clear stripes is facing down toward the Medium Amber. If desired, add nipped bits of almond and nipped bits of Medium Amber, as shown, on the rim of the circle.

2 Fire your piece

Place the project in a kiln and fire using the firing schedule below.

Plate firing schedule - full fuse

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1.	138°C/hr	to 593°C	0:10
2.	138°C/hr	to 737°C	0:20
3.	138°C/hr	to 796°C	0:10
4.	AFAP* OR 9999°C/hr	to 515°C	1:15
5.	55°C/hr	to 435°C	0:01
6.	55°C/hr	to 260°C	0:01

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr

** Will vary depending on desired result and kiln

3 Use the drop ring

Apply a quality glass separator to the CPGM87 Plate/Drop ring. Heat the mould to remove any water from the mould. Place the mould directly to a piece of Thin Fire paper on a kiln shelf in the kiln. After the glass has cooled naturally, place the fused blank onto the drop ring and fire using the follow firing schedule:

Plate firing schedule - drop

Segment	Rate Celsius/hr	Temp	Hold time (hr:min)
1.	138°C/hr	to 593°C	0:10
2.	166°C/hr	to 687°C	0:30
3.	AFAP* OR 9999°C/hr	to 515°C	1:00
4.	55°C/hr	to 435°C	0:01
5.	55°C/hr	to 260°C	0:01

*AFAP = as fast as possible, some controllers will not allow a rate of 9999°C /hr

** Will vary depending on desired result and kiln

Note:

This data is a guide only, firing programs 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 or paint will not fire onto the glass as desired. Creative Glass Guild sells all glass, tools and materials on the basis that customers have the knowledge and ability to use them safely and in accordance with all relevant regulations and legislation.

4 Making more plates!

If you cut two more 10" Medium Amber circles you have enough stripes cut to create two more plates with stripe colors in different positions. Additionally, you can raise the CPGM87 mould to create a matching bowl.