

Create Your Own: Casting Ring Bowl

Warm
Glass

Make this chunky, abstract bowl using a casting ring and glass offcuts.

Project Materials:

- Stainless Steel Casting Ring - Large (30cm)
- 3mm Fibre Paper
- 1 x Bullseye Glass: Blue Variety Offcuts (1.5kg)
- Spherical Bowl Mould 8134
- Bullseye Shelf Primer (Kiln Wash)

Instructions:

1. Place the casting ring on a kiln washed shelf; using Thinfire or similar kiln paper can result in the paper becoming trapped in the glass.
2. Line the casting ring with two layers of 3mm fibre paper, you can also apply Bullseye shelf primer to the fibre paper for a smoother finish on the glass.
3. Arrange all the glass pieces in the casting ring.
4. Fire according to the schedule below (there is a long annealing phase due to the thickness of the piece):

Segment	Rate (degrees/hr)	Temperature	Hold
Segment 1	222°C/hr	677°C	1 hour
Segment 2	333°C/hr	804°C	20 mins
Segment 3	999°C/hr	482°C	4 hours
Segment 4	15°C/hr	427°C	0
Segment 5	27°C/hr	371°C	0
Segment 6	90°C/hr	21°C	End

5. Prime the spherical bowl mould with Bullseye shelf primer.
6. Place the fired glass circle on the bowl mould and slump according to the following schedule (this also has an extended anneal time due to the glass thickness):

Segment	Rate (degrees/hr)	Temperature	Hold
Segment 1	167°C/hr	649°C	20 mins
Segment 2	999°C/hr	482°C	4 hours
Segment 3	15°C/hr	427°C	0
Segment 4	27°C/hr	371°C	0
Segment 6	90°C/hr	21°C	End

TIP

For a more open design with less colour mixing, intersperse the coloured glass with Bullseye Glass: Clear Casting Offcuts, available from our website.

Looking for Tips & Advice?

Visit the Knowledge Base on our website for a wealth of information:

www.warm-glass.co.uk