

Flatop Rings | Theoretical Firing Schedules

Please note: There is no firing schedule for a specific mold or dropout ring. The variables are too complex to distill down into ONE schedule for ONE ring. Variables include: viscosity of glass(es) used, thickness of glass blank, height of mold, size of mold, kiln size and element location to name a few.

Just yesterday I had two blanks in a kiln that were the same glass, same thickness, and same height. Ultimately, one needed 2 hours longer than the other to achieve the same shape. That said, these molds are awesome (especially when used with Dropout Paste) and the forms refreshing. I want you to succeed in making great work and hope these numbers help.

Schedules provided assume:

- Glass thickness = 1/4- 3/8" (exception: Squares = .125")
- Height of mold = up to 4" (and often higher)
- Fired in multiple kiln styles and element locations.
- Flatop Ring is coated with DōP-Dropout Paste if the mold is larger than 3"
- Glass blank dimensions match mold dimensions

The Ninety-Five

Rate	Temperature	Hold Time
300	1160	2:00
400	1220-1240	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Seventy

Rate	Temperature	Hold Time
300	1160	2:00
400	1225-1250	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Four Twenty-Five

Rate	Temperature	Hold Time
300	1200	1:00
400	1260-1280	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Soft Oval

Rate	Temperature	Hold Time
300	1200	1:00
400	1260-1280	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Bean

Rate	Temperature	Hold Time
300	1160	2:00
400	1220-1240	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Pill

Rate	Temperature	Hold Time
300	1200	1:00
400	1240-1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Torpedo

Rate	Temperature	Hold Time
300	1160	2:00
400	1240-1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Baby Torpedo

Rate	Temperature	Hold Time
300	1200	1:00
400	1240-1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Pointy Oval

Rate	Temperature	Hold Time
300	1200	1:00
400	1240-1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Medium Egg

Rate	Temperature	Hold Time
300	1160	2:00
400	1220-1240	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Small Egg

Rate	Temperature	Hold Time
300	1180	1:00
400	1240	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Baby Egg

Rate	Temperature	Hold Time
300	1200	1:00
400	1240-1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Small Triad

Rate	Temperature	Hold Time
300	1200	1:00
400	1260	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Triad

Rate	Temperature	Hold Time
300	1180	1:00
400	1250	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Medium-Large Triad

Rate	Temperature	Hold Time
300	1120	2:00
400	1220	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Large Triad

Rate	Temperature	Hold Time
300	1120	2:00
400	1200	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Fifty + Fifty-Five:

Rate	Temperature	Hold Time
300	1180	1:00
400	1240	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

The Two Seventy-Five

Rate	Temperature	Hold Time
300	1220	1:00
400	1340	2-4hr
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Tiny Two Inch

Rate	Temperature	Hold Time
300	1260	1:00
400	1340	1hr+**
9999	900	2:30
70	800	:01
140	700	:01
400	100	:01

Larger OG Square: At OnGrade Studio we use this mold to form our ultra-thin/super shallow dropout trays by putting the mold on 3/8" tall supports. The blank is 1/8" thick.

Rate	Temperature	Hold Time
350	1190	1:00
400	1250	1:00
9999	900	2:00
100	800	:01
180	700	:01
400	100	:01

Small OG Square: At OnGrade Studio we use this mold to form our ultra-thin/super shallow dropout trays by putting the mold on 3/8" tall supports. The blank is 1/8" thick.

Rate	Temperature	Hold Time
350	1250	1:00
400	1320	:20
9999	900	2:00
100	800	:01
180	700	:01
400	100	:01

The Beast/XXL Triad

Rate	Temperature	Hold Time
100	1160	2:00
300	1220	2:00
9999	900	3:00
70	800	:01
140	700	:01
400	100	:01

When learning a new mold I'd recommend erring on the low/cool/slow side....