

Bottle Slumping

Can I slump any bottle?

In general, you can slump most bottles. However, we've found that frosted bottles tend to stick to molds more often than standard bottles. For safety, bottles that have been painted or have decorative coatings should not be placed in a kiln. Otherwise you are only limited by the size of your kiln - if it fits, you can slump it.

Can I fuse bottles together?

Bottles have unknown COE's; they tend to be in the 82-86 COE range. Since we do not know the COE of the glass, it is not recommended fusing it with other bottles or fusible glass.

How do I get beautiful, glossy bottles?

It's sometimes hard to determine what temperature to slump a bottle when the COE is unknown. If glass gets too hot or certain temperatures are held too long, devitrification can occur. If you are getting substantial devitrification, you may consider using SuperSpray, item #7404, before firing to help prevent devitrification or after to repair it. We don't recommend firing bottles more than twice.

Do I have to use a mold?

A mold is not required when slumping bottles. If you want to just slump it flatly, simply prepare your kiln shelf with fiber paper or shelf wash.

Why are there holes in my slumping mold?

Holes are drilled into slumping molds to allow air to escape during the slumping process. For the best circulation we recommend placing your mold on 1" kiln posts when firing.



What fusing schedule should I use?

Since the COE of the bottles is unknown some trial and error is to be expected. The following firing schedule (courtesy of Creative Paradise) is a great place to start.

Ramp Rate	Temperature	Hold/Soak Time
500 degrees/hour	1100 degrees	10 minutes
250 degrees/hour	1300 degrees	20 minutes
9999/Full	1475 degrees	5 minutes
9999/Full	1000 degrees	60 Minutes

Your kiln size, controller type, and individual project may require some alteration to the schedule above for best results. Firing times and temperatures may vary, each kiln is unique. We recommend keeping a firing log to make it easy to replicate your favorite projects.

Can I slump bottles in my Ceramics kiln?

Bottles can be slumped in any kiln, however, firings are more challenging in a kiln without a digital controller. Heat your kiln as slowly as you can to approximately Cone 17. If the bottle isn't flattened as much as desired, continue heating slowly to Cone 16.

How can I make my bottles more colorful?

There are so many ways that you can make your bottles more colorful! From Glassline pens and chalks to decals and enamels - there are a plethora of embellishments that are not specific to COE.

