FIRING PROFILES

As you research slumping glass bottles, you will learn there are many unique firing profiles out there. Some profiles are provided specifically from the kiln manufacturers, others are a blend of several firing profiles from other artists. My own profile is a combination of both. I use a 7 cu. electronic controlled kiln and primarily flatten bottles for cheese trays and spoon rests. The bottle slumping profile that came from the manufacturer did not seem to adequately slump all of the bottles. Whether the uneven bottle slumping was due the location in the kiln, the type of glass, the size of bottle, the variety of bottles in a single load, or the number of shelves I loaded, I cannot be certain. Aside from still trying to eradicate a few small bubbles trapped in the body of the bottle, I have had pretty good success. Generally the firing takes approximately 9 hrs.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Segment** | **Rate** | **degrees F** | **Hold** |  |
| 1 | 500 | 500 | 12 min |   |
| 2 | 500 | 750 | 12 min |   |
| 3 | 600 | 1100 | 10 min |   |
| 4 | 200 | 1300 | 20 min |   |
| 5 | 250 | 1475 | 10 min | takes roughly 4.5 hrs to this point |
| 6 | 9999 | 1100 | 1 hr |   |
| 7 | 500 | 970 | 30 min | annealing occurs between 800-1000 deg. |
| 8 | 120 | 750 | 20 |   |

Let kiln cool naturally.

To give you an idea about different firing profiles, we have also been using this profile for wine bottles, with success, in the Trio Kiln.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Segment** | **Rate** | **degrees F** | **Hold** |  |
| 1 | 500 | 1100 | 10 min |   |
| 2 | 250 | 1300 | 0 min |   |
| 3 | 300 | 1425 | 10 min | at first we had this at 1475 but the edges of the bottle were sharp |

Let kiln cool naturally.

This profile does not even have an annealing phase, but we have found it seems to work fine. If you choose to use this profile, you may consider adding an annealing phase at the end.

Keep in mind these are guidelines, as every kiln will fire a little differently. It will take a few firings in your own kiln to obtain the results you desire. Be sure to keep a log so that once you have a successful load, you can duplicate it. And most importantly have fun with it.

Wishing you the best of luck!