

First Firing Instructions – Refractory Cement Crucibles

Prior to the first debinding and sintering cycles with your new crucible, it is recommended to fire the crucible in a kiln with the instructions below:

1. Place the lid on the (empty) crucible.
2. Place the crucible in the kiln.
3. Ramp to 649°C (1200°F) over 4 hours
4. Hold for 1 hour.
5. Program ends - cooldown.

When unpacking there will be some surface pitting but after fire this should smooth out and won't affect future use.

If any cracks are found after the first firing (non-surface level), contact info@thevirtualfoundry.com.

Not performing the first firing can result in the crucible cracking during sintering.

