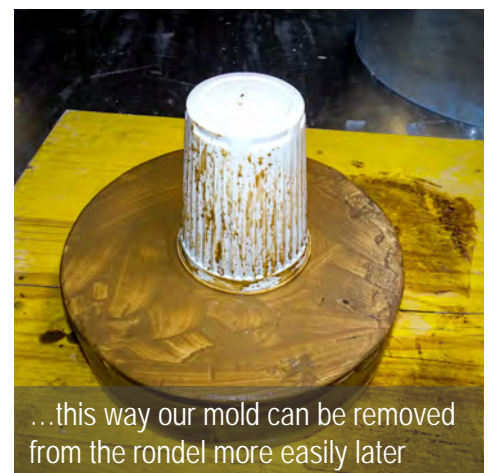
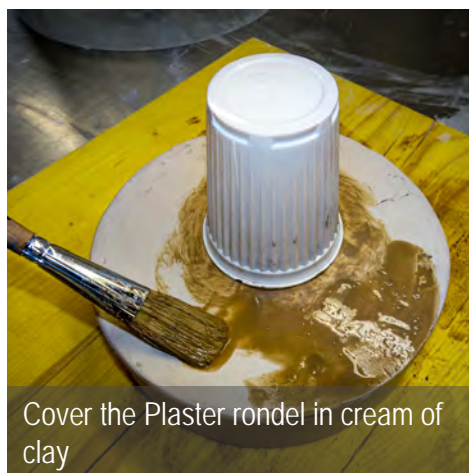
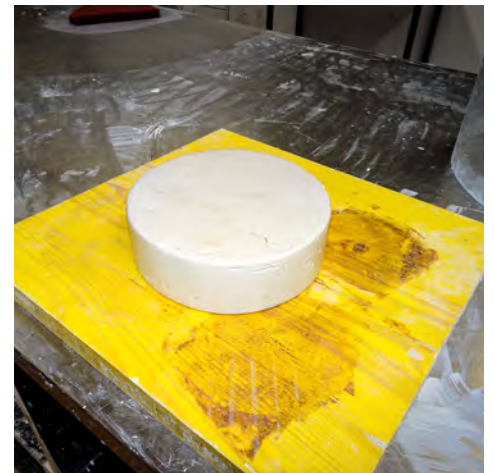


Porcelain Espresso cups

Material:

- Plaster
- Wooden board
- Sand
- Clay
- PET-sheet
- Rubberbands
- Palette knife
- Brush
- Plastic coffee cup
- Plastic bucket
- Knife
- Battery driven drilling machine
- Stirring set for drilling machine
- Porcelain Slip
- Glaze for porcelain
- Measuring cup
- Sanding paper for wet sanding
- Sponge

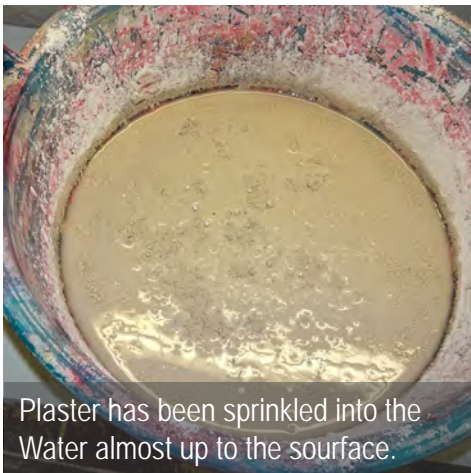




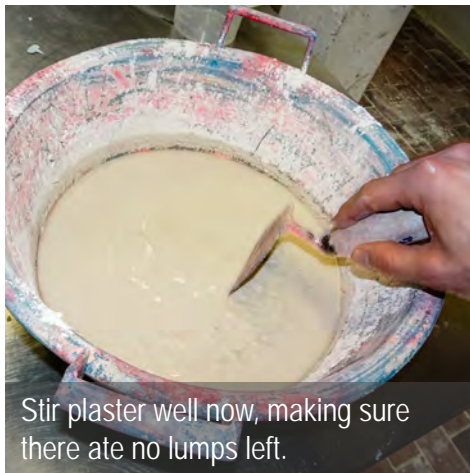
Use the PET sheet to create a casing and secure with rubber bands



Mix plaster:
Sprinkle plaster powder into water until the powder no longer sinks.



Plaster has been sprinkled into the Water almost up to the surface.



Stir plaster well now, making sure there are no lumps left.



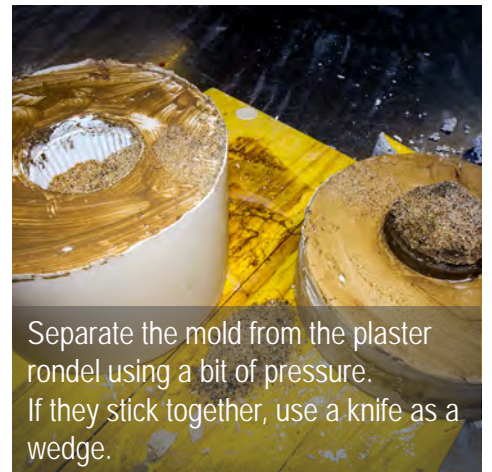
Pour the plaster into Casing, until the cup is covered by two centimeters.



Let plaster harden



Carefully remove PET sheet.



Separate the mold from the plaster rondel using a bit of pressure. If they stick together, use a knife as a wedge.



Remove the plastic cup from the mold. It is easier to work the edges when the plaster is still humid.



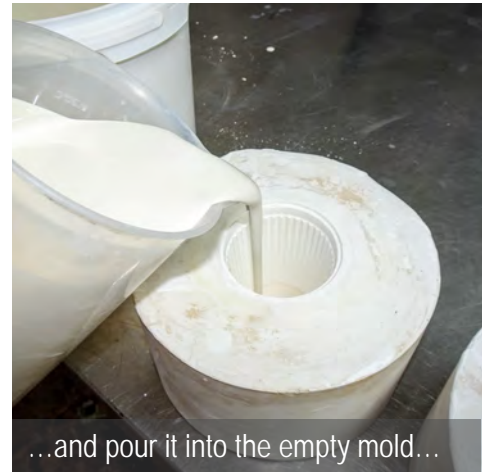
Clean the mold well, so there will be no traces of clay on the porcelain later



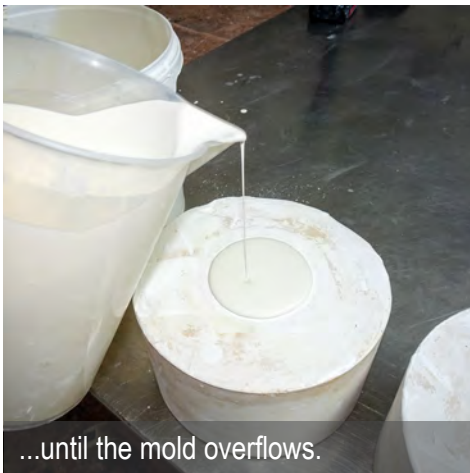
Let the Plaster mold harden on a radiator or similar.



Stir the porcelain...



...and pour it into the empty mold...



...until the mold overflows.



The hardened Plaster mold will now draw water from the liquid porcelain, so it begins to dry from the outside. Depending on how liquid the porcelain is, the time to keep it in the mold differs. If the porcelain is too viscous and hardens too fast, it can be deluded with water.



The longer the porcelain remains in the mold, the thicker the wall of the porcelain cup

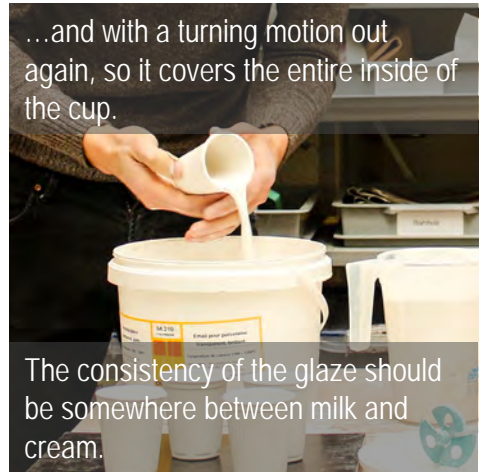


Depending on room-climate, the porcelain will be properly hardened within 2-3 days. It shrinks slightly in the hardening process. This makes removing the cup from the mold very easy: The cup will fall out of the mold as you turn it upside down.

Smoothen the rim using sanding paper for wetsanding, or a sanding pad. Careful, the material is still delicate and brittle!



Stir glaze for porcelain



...and with a turning motion out again, so it covers the entire inside of the cup.

The consistency of the glaze should be somewhere between milk and cream.

As soon as the glaze inside the cup is dry...



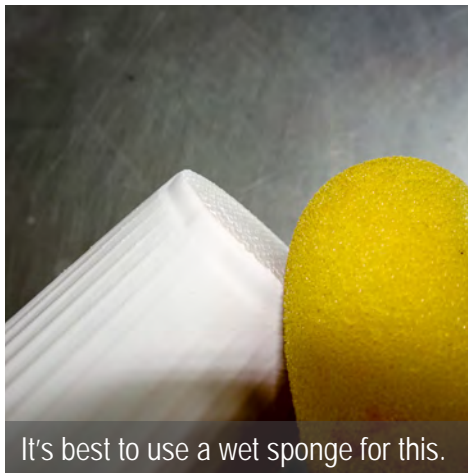
...dip the cup into the glaze for 1-2 seconds



The base of the cup has to be cleared from glaze, otherwise it will stick to the firebrick during glaze baking and can not be removed without destroying the cup.



It's best to use a wet sponge for this.



You also want to remove the glaze on the cup wall 1mm up around the base.





Bezugsadressen:

- Liquid porcelain & glazing
www.bodmer-ton.ch/
- Plaster available in any DIY store
- PET sheet w
ww.kunststoffpark.ch
(The sheet can be replaced by a wooden casing or a plastic container)
- Furnace/baking oven for ceramics
Ask a Potter/ someone will know someone who has a furnace that can be used.