

Making a 1 part Latex Mold with a Plaster Mother Mold

DO NOT USE LATEX TO TAKE MOLDS OF SKIN. MAY CAUSE ALLERGIC REACTIONS
IN PEOPLE SENSITIVE TO LATEX. IN CASE OF ALLERGIC REACTION SEEK MEDICAL
ATTENTION.

IF SPILLED ON SKIN OR CLOTHING, ALLOW TO DRY (IF THERE IS NO ALLERGIC
REACTION). WHEN DRY, PRODUCT WILL PEEL OFF.

We will be using Liquid Latex Rubber which can be purchased at Georgie's Ceramic & Clay Co. Prepare your clay model on a flat, solid surface that is larger than the clay model-like a pie pan, a flat plate, or a plywood board. You need about 2 inches of board showing on all sides of your model. **Clay models should still be moist.**





The latex goes on in about 15 very thin layers and the first 2 or 3 layers are the most important as they will catch the surface details. Use a synthetic fiber paint brush to apply a thin layer of latex to the clay surface. Be sure to get latex into crevices and small details without leaving air pockets and to get latex down all sides of the model **ALL THE WAY TO THE BASE**. Allow the first layer to dry thoroughly for about an hour. A hairdryer or sunny day can decrease this time. Immediately clean your brush with water between each layer. Repeat the layering process about 8 more times using a brush or sponge, allowing each coat to dry before applying the next.

Lay a piece of cheesecloth into a layer that has just been applied and is still tacky or wet. Continue the layering process until you reach a thickness of $\frac{3}{32}$ to $\frac{1}{8}$ of an inch. Any undercuts should be filled with latex so that the plaster mother mold will come away from the latex mold easily.



After the latex is cured, Trim excess
cheesecloth and
Mold material about ½ inch
Away from the original.

Now you can make the mother mold.



Once the last layer of latex is completely dry, mix a batch of plaster that will cover your entire mold surface. Allow the plaster to set to a thick yogurt consistency before you apply it about an inch (or more) thick to the entire mold surface. Be sure you have a thickness of an inch at the base as well. Make a flat area on top of the mound so that it will sit level when flipped over.



Allow the plaster to set for as long as possible (1 hour is probably not enough, 24 hours is great)

Lift the plaster mother mold off.

Peel the latex off of the clay and board/pan being careful not to rip the latex.

Wash the fully cured latex mold with soap and water and a stiff paintbrush.

Position your latex mold inside of the plaster mother mold so that it sits level with the cavity up. You may need to set it on a rag or in some sand. Pour wet plaster into the mold and allow it to set undisturbed until it has cured.

**DO NOT MOVE YOURS OR ANYBODY ELSE'S MOLD WHILE THE PLASTER IS WET OR SLUSHY.
CLEAN UP AFTER YOURSELF THOROUGHLY.**



The End