


COMPOSIMOLD
Heat and Pour Molding Material

Making Figurines Using ComposiMold Molding Compound

www.ComposiMold.com



Figure 1. Various Animal Figurines made using ComposiMold Mold Making Material



Figure 2. Sculpture by Helene Farrar Duplicated using ComposiMold Mold Making Compound

A figurine is a statuette that represents a human, deity, or animal. Figurines may be realistic or iconic. In this tutorial we will describe how to make a plastic copy of your figurine using CompositMold. These steps will also work with Plaster, concrete, and many other moldable materials.

The first step for making a duplicate figurine is to make your own figurine. Good directions for making the figurine can be found at <http://www.figurines-sculpture.com/clay-sculpting.html>. For your first duplicate figurine, I recommend a non-complex part that does not have large undercuts or holes that go directly through.

SIMPLE FIGURINE MOLD

An example of a simple figurine is displayed below. Molding this dog figurine is very simple.

1. Place the dog figurine into a container that can hold the CompositMold
2. Melt and pour CompositMold over the part
3. Let the CompositMold solidify (placing it in the refrigerator will reduce the time)
4. Take out original figurine.
5. Pour resin into mold cavity. The type of resin you use is up to you. This dog figurine has been made with plaster, polyurethane, epoxy, and Cement.
6. When cured, pull out figurine



Figure 3. Dog Figurine made with Epoxy in a CompositMold Mold Compound

You can make many parts from this one mold. And when you are finished, the CompositMold can be re-melted to make other molds if you like.

MORE COMPLEX FIGURINE MOLDS

A more complex mold has more undercuts. Here is a duplicate of a Smurf-Hater Gargamel figurine. This figurine shape is more complex because of the undercuts along the hands, his nose, and arms. Because of the undercuts, I used a mold release to ensure

that the parts would separate easily. And then, just like the simple mold, I placed it in a container, poured the melted ComposiMold over the figurine, and let it solidify.



Figure 4. Gargamel Figurine Molded with ComposiMold Mold Making Material.

With the ComposiMold mold of the figurine solidified, the more complex figurine mold needs to be cut into 2 parts. Use a sharp knife or razor blade to cut along the edge of the figurine. If you move off the edge, it is not a problem, but it helps to make the mold separate easier. When completed you should have a two part mold and the original figurine out of the ComposiMold.

To mold, place the two part mold together and hold them together. I used duct tape to wrap around the ComposiMold mold. Be sure the molds are held together well. Then pour resin into the mold cavity being sure that all the air pockets are gone. You may have to rotate the mold or add holes to the mold to allow the air to escape.

After the resin has cured, remove the figurine from the mold and remove any small burrs.

Here is another example of a complex figurine mold. This time, I duplicated a chicken. The body is not difficult, but the stand and legs are complex because you have a hole in between them.



Figure 5. Chicken Figurine made using ComposiMold Mold Making Compound



Figure 6. Chicken in ComposiMold Mold Making Compound prior to cutting



Figure 7. Pulling out original Chicken Figurine from ComposiMold Mold Making Material

Like the other figurines, I placed the part in a container and poured the melted CompositMold over the part. After the CompositMold was solidified, I carefully took a razor blade or other knife to cut the CompositMold rubber between the chicken's legs. It does not actually matter where I cut it because when I mold, the two halves of the mold will be touching so very little resin will go in between.

To mold, pour the resin into the base being sure that all the voids are filled.

And best of all, experiment and try different ideas. This is one of the major advantages to CompositMold, if you find that you need to add air vents or change the parting line location, or make other changes, you do not waste your mold making material (and money). You can just re-melt it or even melt a portion of the mold with a heating gun and fix that part of the mold (Use caution doing this).

For more information, see

www.CompositMold.com