

How To Make Dental Fang Caps

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Included In Kit:

Dental Alginate
2 Upper Dental Tray
2 small mixing cups
2 pair latex (or vinyl) gloves
Labstone Plaster
Alcote Separator
White Dental Acrylic Powder
Dental Acrylic Liquid
Klean Klay
Plastic Eyedroppers
Mixing Cup/Bowl
Model Base Former

Extra Equipment you might need:

Plastic Safety Glasses
Dust mask/Respirator
Dremel Tool or File
Sculpting Tools
Pink Dental Acrylic
Silicone for a Permanent Mold

Read all the instructions before you begin. We suggest you work in a well ventilated area, as the dental liquid is pretty strong. Always wear gloves, as you are working with bodily fluids in the mouth. I wear vinyl because I've become sensitive to the latex. If you wear latex and your hands start to sting then you are allergic, switch to vinyl. Also wear safety glasses, you don't want to get any chemicals or pieces of flying acrylic (when you are filing down your teeth) in your eyes. Put plastic down on all surfaces. Tell the person you will be making fangs for what they should expect. Let them try a dental tray for fit.

Alginate is dusty so wear a dust mask. Measure out 2oz of dental alginate and 2oz of room temperature water. You have about 3 minutes from the time the water hits the alginate until it gels, plenty of time to take your impression. You may want to make the alginate a little thicker by not adding all the water. Add most of the water and if too thick add the rest. Scoop the alginate into the dental tray. Some people have a hard time if the tray is too full. They may gag on it. Put enough alginate in tray to take a full impression, but don't overfill it. Time the set of your alginate. I mix mine about 1 minute before putting it in the person's mouth. That way they only have a minute to sit with it. Have the person lean forward so if the alginate is too thin it doesn't run to the back of the throat. Check your mix in the bowl and when that is set you know the person's alginate is set also. Remove it slowly. It may feel like it's sticking, there is a vacuum formed and it needs to be wriggled out slowly. Special Note Here: Alginate will start to shrink within 30 minutes so it's bet to go onto the next step right away.

If you do a full impression of the entire upper teeth then you do not need to add anything to release the alginate from the plaster you will soon be putting it in. But if you only did the front teeth, put a thin layer of petroleum jelly on the exposed dental tray so the plaster doesn't lock up on it and it separates easily. Using a clean bowl put in 2 oz of water. Wear a dust mask when working with Labstone. Slowly add your labstone. You will surely use more than 2oz of labstone. Just keep adding it to the water until the top looks like a dry river bed. Then mix it to a smooth consistency. You will have about 20 minutes working time before the plaster sets up.

Since there are holes in the dental trays, and if some are exposed, then plug them up with Klean Klay. With a small brush fill up your alginate negative. Make sure there are no air bubbles. Fill the tray to cover all the alginate and up to the lip of the tray.

Let the labstone set up. It will heat up when it is curing and cool back down when it is set. Carefully pull the labstone positive from the alginate.

When making a base for the plaster teeth you can use a model former or, as we've done, form a freehand base. (See our website for pictures). Mix up another batch of labstone. You may want to make this one a little thicker as the teeth will be setting on top of it and you don't want them to sink. Using the dental base mold, scoop the labstone into it. Place the teeth on top and as the base is beginning to set up. Let it fully set up then pull the plaster piece out of the mold. You can file the edges down a little afterwards.

Using Klean Klay, sculpt your fangs over your labstone mold. They don't have to be perfect as you will file them down after they are made up in dental acrylic.

Make sure you have a back on your tooth. These are going to slide right over the existing tooth like a cap. You can use just about any kind of clay. We use Klean Klay because it doesn't dry out and can be smoothed out with water.

Using a clean bowl mix up a batch of alginate using 2oz alginate and 2oz or less water. Fill up the dental tray as much as possible. Taking your labstone mold with the sculpted fangs carefully place into the alginate filled tray. Don't push down far, you don't want to squish the fangs you just sculpted. Since you filled the tray full it will cover all the teeth in your positive mold.

After the alginate sets pull the two pieces apart carefully and if any of the clay was left in the alginate cast carefully clean it out.

Next, you brush dental foil separator on your cleaned plaster positive mold. Let dry and apply one more time. Remember, alginate shrinks after it sets so do this step quickly, or place your alginate piece in water to help keep it from shrinking.

When mixing Dental Acrylic it is advised to wear a respirator. The liquid fumes and acrylic powder is not healthy to breathe in. If you don't have a respirator, then make sure the area is well ventilated. In your dry alginate negative mold pour White Dental Powder in. Fill the cavity. With an eyedropper, add Dental Liquid a drop at a time. The mix ratio will be approximately 1 to 1. You may want to do a test batch or 2 before you even start your teeth just to see how the Acrylics work. With a small tool gently mix the components together, add more powder or liquid until it fills the cavity. It shouldn't be too thin or thick or the end product may be brittle. Fit the two molds together until the acrylic sets, about 20 minutes. Pull the molds apart carefully. If you find there are large holes or parts of the fang is missing, then you didn't put enough Acrylic in the mold. Clean out quickly and refill with another batch of Acrylic. You have enough time before the alginate shrinks, that you can redo the Acrylic a few times, if necessary.

Your fangs may be a bit soft at first. Let them sit for about an hour to finish curing before you file them into shape and finish off. There will probably be excess cured Acrylic along the edges as well.

Use your dremel tool and slowly and carefully clean off the edges of the teeth. Now is the time to reshape and smooth down all the edges. Don't make them too sharp, people have been known to draw blood with them. If, for any reason, you need to add more Acrylic just mix up a small batch and use it as a patch. It will stick.

You may be done. Have the person try them on. They should be a snug fit. If not, they can use a little denture cream to keep them in. The Dental Acrylic color we use is white #62, which is a pretty basic color. For darker teeth you can put the fangs in some tea or coffee to help darken them. Or, if the person smokes or drinks coffee, have them wear the caps while they drink and smoke. To give the fangs a little shine we coat them with clear nail polish. But, if you do, let them set up for at least a day or 2 before wearing them to make sure the polish is totally dry.

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