



Accu-Cast Face Casting Kit Procedure

Our goal is to provide excellent, helpful service to our customers while selling the finest alginate molding materials and supplies at the best prices.



Kit contains:

2- 4 ounce bags of Accu-Cast 590-IBG Alginate Molding Powder
Pre-Cut 3-inch plaster bandages
2- 0.75# LiquiStone Casting Stone
1 Trash Bag Poncho
1 Plastic Mixing Container
2 Tongue Depressors
1 Popsicle Stick
Clay to plug nose holes, Accu-Cast Facial Hair Release Gel, Wire Hanger.
Instructions

Things you will need:

Medium sized plastic container for dunking plaster bandages in water
Wear old clothes as both alginate and LiquiStone will stick to them.
Molding procedure takes about 15 minutes, Casting procedure takes about 15 minutes.

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The Accu-Cast Face Casting Kit- Important Tips

The following points are important for you to consider when doing your face cast.

1. The small bag of LiquiStone is for any small patches or “bubble-fixes” on the face cast itself. INSTRUCTIONS: Make sure that the area to be fixed has been moistened with water. If you don’t get the area wet first, the new LiquiStone will not stick. Mix a little LiquiStone powder with a little water (it takes less water than you’d think) and apply the LiquiStone to the area to be fixed. Smooth it out with your fingertip. Wait until this LiquiStone sets before doing any final finishing.
2. It is HIGHLY RECOMMENDED that you pour the casting immediately after the mold comes off the model’s face. Alginate, especially in thin cross-sections will dry and distort pretty quickly. You can delay this a little by keeping the surface of the alginate wet with a spray bottle and wet paper towels, but best results will be obtained by proceeding directly from one step to the next.
3. If this is the first time you’ve done a face cast, WE RECOMMEND THAT YOU USE 80°F WATER instead of the 90°F recommended in the instructions. This will give you an additional minute of working time with the alginate. We’ve even included a second bag of alginate just in case it doesn’t go well the first time.
4. Alginate will not STICK TO facial hair. If alginate is allowed to flow down amongst the hairs, it will take a little longer to remove the face mold because all those hairs must slide out of the set alginate. Be patient. If you want to preserve the form of the facial hair in your casting it is recommended that you fill the hair with the yellow hair cream included in the kit. Just gob it in then wipe off the extra. It is water based so washing it out later will be fairly simple. When applying the alginate to these areas, try to “lay it on”- don’t push really hard against these areas and the form of the eyebrow or moustach will be preserved. Full beards are more of a challenge and probably should not be attempted until you have more experience.
5. We have heard a few people complain of a flattened nose tip on their casting. This occurs because of too much pressure being applied to the mold immediately prior to and during the casting process. Be careful to not put very much downward pressure on the mold. Since the nose is the most prominent feature it will be the first thing to distort. The clay included in the kit for plugging the nose holes will soften up and be easier to use if you warm it up a little in your hand before using.
6. In the kit, we recommend mixing the alginate with in the plastic mixing container with a wooden tongue depressor. While this method can and should work just fine, it is easier and more efficient to mix the alginate in a bowl with a metal kitchen whisk. The ideal bowl would be plastic with sloping sides similar to a salad bowl. The bowl needs to be at least 3 times larger than the alginate and water you are mixing or it will be very difficult to mix without making a big mess.
7. The setting time of alginate materials is affected by temperature. Using warmer water will speed the setting time and cooler water will delay it. The same holds true for room temperature, but to a lesser degree. If you are working in room that is 10°F warmer or cooler than 70°F, the setting time will be noticeably affected and you should consider warming or cooling the water temperature by 5°F (warmer room- cooler water, cooler room-warmer water).
8. **If something goes wrong** and you don’t finish putting the alginate on before it sets up on you, there is a second bag of alginate included in the kit. Just pull the first alginate coat off, and start again. We can also send you another bag of alginate for just \$3.00 plus shipping. Just give us a call at (855) 773-0460. If you have questions about the procedure, the time to call us is before you start, not while you have alginate on your hands.
9. All of the materials included in this kit can be purchased in bulk from Accu-Cast. We have a very nice procedural DVD on this procedure that shows all the steps very clearly.

Preparing & Mixing Instructions



Be 100% Prepared Before Mixing Alginate

1. Lay out your plaster bandages by length
2. Measure out Water
3. Lay-Out Everything you will Need
4. Go through Procedure with the Individual you are Casting.

NOTE: Alginate will stick to clothing so make sure you and your castee are well protected.

Alginate:

The alginate Sets in about 5 minutes, so work quickly.

1. Open bag of alginate and dump it into the supplied plastic container.
2. Measure out water **2 cups of lukewarm water (not hot)**.
3. Add water to alginate all at once.
4. Use the large wooden tongue depressor to mix.
5. Mix alginate for no more than about 45 seconds. You have a total of about 5 minutes, so now's not the time to answer the phone. A warmer room (more than 75°F) will result in a faster set time.
6. Mix all the dry alginate from the bottom corners of the plastic mixing container into water. A few small lumps are OK.

LiquiStone:

There are two packets of LiquiStone. One is for the "first pour", one for the "second pour". They should be mixed the same way. You have about 15 minutes total working time with the LiquiStone, so don't rush.

Clean the plastic mixing container well before mixing the stone.

Put 4 fl. oz. of water into the plastic mixing container. Dump half of the LiquiStone powder into the water. With your second wooden mixing stick, stir until all the powder is wet. Dump in the rest of the LiquiStone and stir the mix until smooth.

Firmly tap the side of the plastic mixing container with the palm of your hand several dozen times. This will bring many of the air bubbles to the surface and give you a better pour.



Plaster Bandages:

1. Submerge bandage into clean room temp water for two to three seconds.
2. Gently squeeze out excess water. Squeezing too hard will squeeze out the plaster- not good.
3. Bandage should be completely wet but not dripping excessively.
4. When applying the bandages, make sure to overlap them, and smooth them down to the alginate surface.

**Before starting please read the
“Prepping & Mixing” supplement flyer...**



Put the orange alginate powder into the plastic mixing container.



Measure out 14 fl.oz. (1 cup, 6 oz.) water.



Add the water to the powder.



Stir, then mix the alginate for 45-60 seconds. Don't go slowly- the clock is ticking.



Begin applying the alginate. If the hair is long, comb it or pull it back. Alginate won't stick to hair but will make removal more difficult.



Pay attention to the high bubble areas- corners of the eyes, mouth and around the nose.



At first your goal is to put a thin layer all over the face.



Use your thumb or fingertips to push the alginate into the corners of the eyes.



Cover down to where the chin meets the neck.



The corners of the mouth tend to trap air bubbles. Push alginate against the lips from side to side.



Add more alginate all over. Your goal is to put approximately 3/8 to 1/4 inch all over.



Lastly, carefully apply alginate to the edges of the nostrils and the tip of the nose.



You can use the included popsicle stick to paint on the alginate around the nose.



Just before the alginate sets, quickly apply the small strips of DRY plaster bandages all around the perimeter.



Apply more strips over the mouth, on the nose, forehead, cheeks, etc.



Another view of the placement of the plaster bandage strips.



Have all the plaster bandages laid out. You'll need a water bucket too.



Dip a bandage into the water. Let it soak for a couple of seconds.



Pull out the bandage, skrunch it up and gently squeeze out the extra water.



Open the bandage up again and its ready to go.



Wet a 10-inch plaster bandage and apply it to the edge of the face cast.



Continue doing this all the way around.



Then begin filling in toward the center.



Smooth down the plaster bandages as you go.



Wet a 10-inch bandage, fold it in half and place it over the mouth.



Do the same for over the eyebrow area.



Put a couple of short bandages over the nose. Rub it down closely against the alginate.



Wet a short bandage, fold it over lengthwise to make a small roll. Place it down the ridge of the nose. Do this twice.



When you get near the end of your plaster bandages, tap all around the face to find thin/weak spots.



Reinforce any thin/weak areas with the last of your plaster bandages. Leave one small piece for later.

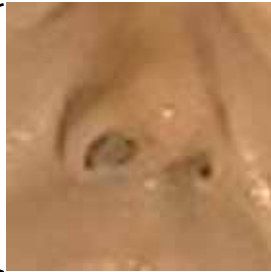
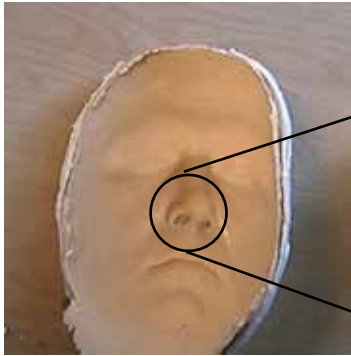


About 5 minutes after the last bandage goes on, feel the cast to see if it has hardened. Have the subject scrunch up their face and lean forward to help removal of the mold.



Don't worry about a few small air bubbles in the cast. They can be fixed later.

Pouring the Positive- Page 1



Take small amount of Plasticine Clay (included in kit) and fill the nostril holes, one at a time. Try to make the clay even with the shape of the nose and smooth inside. This will keep the LiquiStone from filling up these areas and makes cleaning up the finished casting much easier.



Its OK for the clay to be sticking out on the outside of the plaster shell.

Put one short piece of plaster bandage over the nostrils to hold the clay in place.



Put the first bag of LiquiStone into the plastic mixing container. Add 4 fl.oz. of cool water.



Stir with a tongue depressor until the LiquiStone is well mixed. You've got about 12 minutes of working time with LiquiStone.



Put some LiquiStone into the mold over the eyes and down into the nose.



With your fingertips and thumb rub the LiquiStone against the alginate surface to get rid of any air bubbles in the detail areas.



Push stone all the way down into the recesses of the nose.



Pour some more LiquiStone into the mold.



Push the LiquiStone all over the mold and up the edges.



Pull the LiquiStone up the sides of the mold all the way to the edge. Don't get LiquiStone on the plaster bandages. It will stick.

Pouring the Positive- Page 2

Important Note:
Clean the LiquiStone out of your plastic mixing container with a wet paper towel. Do not put LiquiStone down your sink or you risk permanently clogging it up.



Wait at least 1/2 hour for the first coat to set. Spray the set LiquiStone with water.



Mix the second bag of LiquiStone the same as the first bag. Put a big blob of LiquiStone in the middle top of the casting.



Push the wire loop into the blob with the round part facing up and well clear of the LiquiStone.



Add LiquiStone around the edges of the casting to reinforce them.



Make the edges at least 3/4 inch thick all the way around.



Spray this coat of LiquiStone again.



Once its a little wet, you can smooth out the edge with your fingertips.

Wait at least 1 hour after the second coat of stone before unmolding your face cast.



Recommended Supplies



590-IBG Alginate

With it's long set time, high tear strength and low slump, this alginate is ideal for making a face mask. It sets in 5 minutes when using 90°F water temperature.

Only 4 ounces is used to make a face mold.

1 lb. of 590 \$9.50
5 lb. of 590 \$39.95



Plaster Bandages

Designed for rapid wetting and a creamy application, these bandages are extra fast setting at 2-4 minutes. One 3"x 5yd roll and one 4"x 5yd roll are recommended for each face cast.

3"x 5yd Roll . . . \$3.55 4"x 5yd Roll . . . \$3.65
3"x 5yd box/12 . \$38.80 4"x 5yd box/12 . \$39.50



LiquiStone

Gypsum Cement is the best positive casting material for most LifeCasting. LiquiStone is white, has a compressive strength of approximately 9,000 psi and sets in 15 minutes, a hard set in 1 hour and a full cure in 24 hours.

5 lbs. of LiquiStone \$15.95 15 lbs. \$32.95



Cholesterol Conditioning Cream

Cholesterol is used by many professional life casters to prevent alginate becoming entangled in hair. Impregnate facial hair with this to take mold of it. (Use Petroleum Jelly to keep LiquiStone out of hair.)

15 oz. Jar \$6.95



Life Casting Tool Kit

Make fixing up your cast easy by using our professionally selected tools to accommodate all your casting needs.

Tools also available individually.

Tool Kit. \$69.95