



The World's Finest Alginate for Making Molds from Life™

Foot Casting Kit

STEP-BY-STEP INSTRUCTIONS

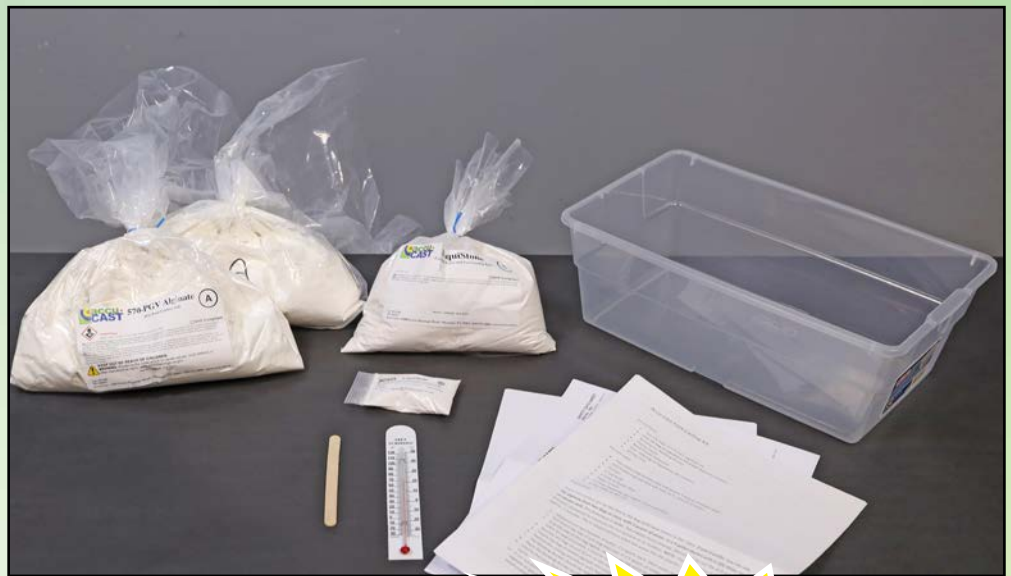


Please read these instructions carefully before beginning.

With this kit you can make an individual mold and casting of one adult sized foot - up to Men's Size 12M(US)/11.5(UK)/46(EU).

This Life Casting Kit Includes:

- HandGel™ 570 Alginate
- LiquiStone™ (large bag)
- LiquiStone™ (small bag)
- Thermometer
- Mixing Stick
- Plastic Container
- Instructions
- Safety Data Sheets



You will also need:

- Water at 70°F/21°C
- Mixing Buckets
- Measuring Cup
- Dust Mask*
- Cordless Drill
- Turbine Mixer
- Plastic Knife
- Large Mixing Stick
- Super Glue® (cyanoacrylate)
- Large Trash Bag



Watch the Video:
www.accu-cast.us/footkit



***Note:** *It is recommended to wear a dust mask when working with any powdered material.*

STEP 1: Preparing for Mold Making



Place plastic bag on floor to create a temporary working area. (Plastic bag not included.)



Position a chair on the working area for the model to sit on.



Have model sit in chair and roll up pant leg. Remove sock and shoe.



Insert a pillow or cushion beneath the upper thigh for comfort and support.



Place container beneath the model's foot to test placement.



Foot position should maintain 1/2" (1.27cm) clearance from all sides.



STEP 2: Making the Alginate Mold: Drill Mix

1



Attach a turbine mixer to a variable speed drill.

2



Check that the temperature of the water is at 70°F/21°C using the thermometer.

3



Measure 5 quarts (4.7L) of water and pour into a large mixing bucket.

4



Wear a dust mask and transfer both bags of HandGel™ 570 alginate into a separate container.

5



Wearing a dust mask, carefully sift the alginate powder into the water as you drill mix. Mix for two minutes.

6



After drill mixing, use a mixing stick to scrape the sides and bottom of the bucket and stir thoroughly.

STEP 2: Making the Alginate Mold

7



Pour mixed alginate into the container.

8



Slowly immerse foot into the alginate until foot is completely covered.

9



Raise foot out of alginate momentarily to reduce air bubbles, then resubmerge the foot into the alginate.

10



Hold the pose steady until the alginate sets to a firm gel.

11



Use a plastic knife to carefully cut the alginate along the top of the foot about an inch from the ankle.

12



Make a similar cut along the back of the foot about an inch from the heel.



STEP 2: Making the Alginate Mold

13



Wiggle the toes and foot to release from the mold. Lift heel up first to exit the mold.

14



Use Super Glue® (cyanoacrylate) to seal up the incision along the top of the mold.

15



Use Super Glue® to seal the incision along the back as well.

16



Mold is now ready for casting. Cast into the mold within 1 hour.

STEP 3: Casting LiquiStone™ Gypsum Cement

1



Measure 21 oz (0.62 L) of water and pour into a mixing bucket.

2



Slowly sift the entire bag of LiquiStone™ into the water.

STEP 3: Casting LiquiStone™ Gypsum Cement



Allow the LiquiStone™ to soak in the water for 3 minutes before mixing.



After 3 minutes of soaking, drill mix the LiquiStone™ and water.



After drill mixing, use a mixing stick to scrape the sides and bottom of the mixing bucket. Stir thoroughly.



Pour a small amount of LiquiStone™ into the mold cavity.



Rotate the mold in all directions for about 10 seconds to help minimize air entrapment in the finished casting.



Tilt the mold and continue pouring until almost full. Lay the mold down on the table to complete the pour.



STEP 3: Casting LiquiStone™ Gypsum Cement

9



After pouring, gently tap the side of the bucket to help settle the LiquiStone™.

10



Allow LiquiStone™ to set for 3 hours at room temperature (73°F/23°C).

STEP 4: Demolding the Casting

1



After cure, invert the container and remove from the mold.

2



Use a plastic knife to carefully score the alginate mold on all sides.

3



Carefully remove small chunks of alginate to reveal the casting.

4



Allow casting to air dry for 2 hours before handling.



Repairing Casting Use the small pack of LiquiStone™ to repair any defects in your casting.



Surface imperfections can be quickly repaired using LiquiStone™.



1 Dispense a small amount of LiquiStone™ into a container.



2 Mix a tiny amount of water to create a thick paste.



3 A small amount of LiquiStone™ is applied to the area to be fixed.



4 Use your finger to smooth and wipe away any excess material.



5 Repaired area cures in 3 hours.