accu-CAST™

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

Pregnancy/Torso Kit

STEP-BY-STEP INSTRUCTIONS

Please read these instructions carefully before beginning.

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

This Life Casting Kit Includes:

- BodyGel™ 880 Alginate
- LiquiStone™ (large bag)
- LiquiStone™ (small bag)
- Cholesterol (small bag)
- Plaster Bandages (8 rolls)
- Thermometer
- Instructions
- Safety Data Sheets

You will also need:

- Water at 80°F/27°C
- Petroleum Jelly
- Chip Brush
- Turbine Mixer
- Cordless Drill
- Measuring Cup
- Mixing Bucket
- Scissors
- Plastic Knife

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

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The following are excerpts from the video at:
www.accu-cast.us/torsokit

STEP 1: Making a Plaster Frame

The resin model shown in this instructional booklet is of an adult female that is approximately 8 months pregnant.

1

Cholesterol is brushed along the perimeter of the area that will be molded, about 2 inches (5 cm) in width. Area to cover is highlighted in the picture above.

2

Prepare multiple plaster bandages approximately 12 inches (30cm) in length and at least 3 layers thick.

3

Apply plaster bandages along the perimeter of the area that will be molded, following the cholesterol covered areas to create a framework of plaster around the model.

STEP 2: Making the Alginate Mold

1

Check the temperature of the water using the supplied thermometer to be sure it is at 80°F/27°C.

2

Measure out 75 oz (2 L) of water. ***If you have HARD water or need to use a filter for your water, use bottled water.***

3

Transfer water into a mixing bucket and then slowly sift alginate into the water.

4

Mix the alginate and water using a turbine mixer and a variable speed drill.

5

After drill mixing, hand mix the material using a flat, square-edged mixing stick. Scrape the sides and bottom of the mixing bucket to ensure a thorough mix.

6

Fully mixed alginate material will be smooth and thick. The material is now ready for applying onto the model to make the mold.

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STEP 2: Making the Alginate Mold

7

Apply alginate to the model by hand. Start at the top of the model and spread the material across the entire surface. Add additional material as needed.

8

Allow alginate to cure in 8 minutes at room temperature (73°F/23°C). You will know the alginate is cured when it is firm and no longer gel-like.

9

After alginate is cured, use a plastic butter knife to carefully trim about 1 inch off the perimeter of the mold to expose the plaster frame beneath.

10

Apply plaster bandages to make a support shell for the alginate mold. Be sure to overlap the bandages over the plaster frame to encapsulate the mold.

11

Allow the plaster to cure for about 6 minutes at room temperature (73°F/23°C) or until firm. Carefully remove the mold from the model.

12

Mold is now ready for casting. Alginate molds are temporary, so cast into the mold immediately!

STEP 3: Casting LiquiStone™ Gypsum Cement

1

Brush a liberal amount of petroleum jelly to the inner side of the plaster frame to prevent LiquiStone™ from sticking to the plaster.

2

Measure 25 oz (0.74 L) of water and transfer to a mixing bucket.

3

Slowly sift LiquiStone™ into the water.

4

LiquiStone™ is allowed to soak in the water for about 3 minutes before mixing.

5

Mix the LiquiStone™ and water using a turbine mixer and a variable speed drill.

6

After drill mixing, hand mix the material using a flat, square-edged mixing stick. Scrape the sides and bottom of the mixing bucket to ensure a thorough mix.

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STEP 3: Casting LiquiStone™ Gypsum Cement

7

LiquiStone™ is applied by hand into the alginate mold. Spread the material evenly across the mold cavity. Add material as needed to fill the mold until a thickness of about .375” (.95 cm) is achieved.

8

Work the LiquiStone™ up to the edge of the alginate mold, concentrate thicker amounts along the edges and high points of the mold, but **DO NOT spread the LiquiStone™ over the plaster frame!**

9

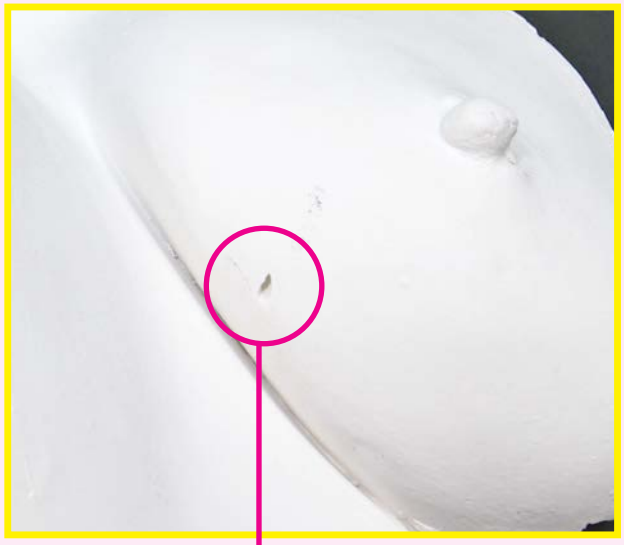
Allow LiquiStone™ to fully cure for 3 hours at room temperature (73°F/23°C).

10

Carefully remove the LiquiStone™ casting from the mold. Allow the casting to air dry for 2 hours before handling.

STEP 4: Repairing the Casting

Small defects in the surface of the cured casting can be easily repaired using the small packet of LiquiStone™ included in the Pregnancy/Torso Kit.



In this example, a small defect formed under the breast in the finished casting.

1

Dispense a small amount of LiquiStone™ into a clean mixing container.

2

Add a tiny amount of water and mix it to create a 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. Repaired area cures in 3 hours.

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accu-CAST™

Pregnancy/Torso Kit

Easily capture perfect detail

The Accu-Cast™ Pregnancy/Torso Kit contains everything you need to easily and quickly create your very own lifecastings.

Included in this kit are the BodyGel™ 880 Alginate and LiquiStone™ Gypsum Cement.

Watch the Video:
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This instruction booklet shows you step-by-step how to make an accurate reproduction of a pregnant torso model. The alginate mold material is intended for lifecasting, but we demonstrate the technique using a resin model for the purposes of this instruction booklet.