

CRYSTAL CLAY™

Two Part Epoxy Clay

Crystal Clay is a two part epoxy resin that is in clay form. It is easy to mix and has a working time of approximately 2 to 2 1/2 hours after mixed. It cures hard in 14 to 16 hours with no baking involved. Curing time may be shortened or lengthened based on temperature. Crystal Clay is an epoxy and will adhere to most surfaces including wood, glass, metal and more. Once cured, the clay is waterproof and can be sanded.

BEFORE YOU START WORKING

- ◆ Ensure your work area is free of lint and debris.
- ◆ Protect your work area with cellophane sheets or silicone mat.
- ◆ Work in a well ventilated area that is not too hot or cold. Optimal temperature is between 70°F / 21°C and 80°F / 27°C

HOW TO USE CRYSTAL CLAY

Crystal Clay performs best at temperatures between 70°F / 21°C and 80°F / 27°C. The hardening process of the epoxy is activated by mixing equal parts of both "A" (Resin) and "B" (Hardener). Both parts should feel warm to the touch. If the parts are cool, hard or brittle, the clay can be warmed and softened by placing it in a sealed zip bag and then setting it under hot running tap water for 3 to 4 minutes.

1. Put on vinyl gloves that are contained in every package of Crystal Clay. This will protect your hands. If clay seems overly sticky, you can use badger balm or a slight coating of olive oil on your gloves.
2. Take equal amounts of both "A" (Resin) and "B" (Hardener). Rolling each part into a ball allows you to compare the size easily.
3. Knead the two parts of clay together very well until clay is uniform in color and no longer looks marbled.
4. Form the clay into your desired shape or put into/on your favorite bezel. If free-forming or applying texture to your clay, let it set for 15 minutes after mixing. You have 2 to 2 1/2 hours working time, however continued mixing of the product will cause the clay to cure faster.
5. Within 6 hours of mixing, your clay will be a soft set, you can then cut or trim your clay. When fully cured, you will need to sand any areas to change the shape of the clay.



CLEANUP

Use warm water and liquid soap to remove from skin. While uncured, the material can be cleaned from tools with paper towels moistened with olive or vegetable oil. Rubbing alcohol can also be used. Once cured, you will need to scrape it off any tools.

DESIGN IDEAS

Changing Colors/Finishes. You can change the color of Crystal Clay by adding acrylic or oil based paints, pigments and other powders. Mica powders can also be applied prior to the clay curing and after you have embedded all of your components. Apply with a soft bristled brush.

Textures & Stamping. Rubber Stamps and other texture plates such as used in polymer clay can also be used with Crystal Clay. Simply allow the clay to set approximately 15 minutes after mixing. Apply olive oil or badger balm to the stamp or texture to prevent the clay from sticking.

Molds. Molds can also be made by using the same technique as with rubber stamps and texture plates. Simply apply a light coating of oil to the mold. Let mixed clay sit for approximately 15 minutes prior to placing in the mold.

TOUBLESHOOTING

Soft or unhardened clay: After the curing time has passed if your clay is soft or unhardened, it is a result of not mixing the clay uniformly or inaccurate measurements of "A" and "B" components. Soft or hardened material must be removed and the area must be re-filled with new clay or discarded.

DANGER: CONTACT WITH HARDENER MAY CAUSE PERMANENT EYE DAMAGE. MAY BE HARMFUL BY SKIN CONTACT OR BREATHING VAPORS OR MISTS. CONTACT WITH RESIN MAY PRODUCE ALLERGIC REACTION BY INGESTION, INHALATION OR SKIN CONTACT. CONTACT MAY CAUSE EYE/SKIN IRRITATION. • **PRECAUTIONS:** Avoid inhalation, ingestion, eye and skin contact. Wear protective gloves and goggles. Keep container tightly closed when not in use. KEEP OUT OF THE REACH OF CHILDREN.

FIRST AID: ORAL: If resin is swallowed, Do Not induce vomiting. If hardener is swallowed, CALL PHYSICIAN IMMEDIATELY! **EYES:** Severe irritant to eyes. In case of eye contact, flush thoroughly with water for 15 minutes and get prompt medical attention. **SKIN:** Wash immediately with soap and rinse thoroughly with water. Do not use solvents or alcohol to remove product from skin. **INHALATION:** Move to fresh air. If not breathing, administer CPR, if breathing is difficult, get medical attention.