

# EasyMold - Silicone Putty

**CAUTION: Do not eat. Keep out of reach of small children. Adult supervision recommended. Ingredients may cause eye irritation and skin redness. If skin redness develops, discontinue use and wash affected area with soap and water. If material gets into eyes, wash eyes with plenty of water.**

EasyMold Silicone Putty is ideal for a wide range of impression type mold applications including Castin'Craft Clear Casting Resin and EasyCast Clear Casting Epoxy, plaster, concrete, wax, soap, low melt metals, baking, chocolates, ice cubes, air dry clay!

**Curing Inhibition:** Avoid using items that contain sulfur such as masking tape, clays and latex gloves or soap which contains stearates. Avoid direct contact with artist or craft paints that contain chromium, copper or black pigment. In addition, avoid contact with water, peroxides and alcohols as these items can inhibit EasyMold Silicone Putty from curing.

**Pre-sealing:** Some items such as soap, rubber, etc. may contain sulfur or stearates, which will inhibit the cure of EasyMold Silicone Putty. To resolve this issue, apply several coats of clear fast drying acrylic spray to the piece prior to applying EasyMold Silicone Putty.

**Compatibility Test:** Before applying to original items, it is a good idea to test the compatibility of the surface on the original piece. Apply a small amount of EasyMold Silicone Putty to an inconspicuous area. Allow to cure for 24 hours, then check to see if the putty has cured properly and that it has not affected the surface on the original piece.

**Instructions:** EasyMold Silicone Putty has 3 minutes of working time at 70° F / 21° C. Cooler temperatures will result in slightly slower cure rates, while warmer temperatures will result in faster cure rates. Therefore, work quickly when making your mold. Be sure to have all your original pieces ready. Mix only enough to make one mold at a time! If working with gloves, use vinyl or nitrile gloves, which are sulfur free.

**Step 1:** Quickly knead together equal amounts by weight or volume of components A & B until swirl free uniform color is achieved (about 1 minute).

**Step 2:** Roll the kneaded components into a ball and then flatten slightly. Press object into putty to form mold or apply putty to piece. Leave object in putty and allow it to cure for 25 minutes.

**Step 3:** Remove object; mold is now ready to use. Note: casting products such as Castin'Craft Clear Casting Resin, EasyCast Clear Casting Epoxy, concrete or plaster require the mold to cure at room temperature for 24 hours or heat cured before using.

**Heat Cure:** In some instances, it may be necessary to heat cure your mold. To do so, remove original item, place mold on aluminum foil or cookie sheet and place in the center of an oven at least 6" from elements. Do not use a toaster oven as the close proximity to the elements may over heat and discolor your molds. Bake mold at 350° F / 149° C for 30 minutes. Note, a hair dryer or heat lamp can also be used to accelerate the cure of the putty. This process however takes longer than an oven and the length of time required to heat cure the piece will depend on the size of mold, thickness, etc. Allow mold to cool before using.

**Food Type Molds:** All molds used for food type applications should be clearly marked to identify them as food molds. These molds cannot be used for non-food applications. Warning: once a food type mold has been used with non-food type products, the mold will be contaminated and cannot be used with food products! Molds used for food type applications must be washed and dried between applications. Do not use mold release agents with food type mold applications.

**Cooking/Baking:** EasyMold Silicone Putty Molds can be used in the oven up to 400° F / 204°C. This allows you to use your molds for baking, making chocolates, candies, etc. Do not use a toaster oven, since the elements are too close and may cause the molds to discolor.

**Resin and Plaster Castings:** EasyMold Silicone Putty makes great resin and plaster molds! It's fast and easy to use. However, EasyMold Silicone Putty molds must be heat cured or allowed to fully cure for a minimum of 24 hours prior. Pieces cast in molds not cured may result in rough surfaces.

**Metal Casting:** Many low melt metals (150° F / 65° C to 400° F / 204° C) can be cast in EasyMold Putty molds. Always refer to the information supplied with the metal or the metal supplier on safe melting temperatures, toxicity, handling, etc. Low melt metals generally require graphite or talc powder as a mold release agent with silicone molds. Dust mold as required and remove excess. Always use protective clothing, leather gloves and respirator when working with molten metals.

**Mold Release:** EasyMold Silicone Putty does not require a mold release agent on most surfaces. However, molds used repeatedly may overtime experience a build up or residue from various casting mediums such as plaster or concrete. Castin'Craft Mold Release/Conditioner will help to prevent this build up and restore your molds natural releasing properties. Note: Casting abrasive materials such as plaster or concrete repetitively can wear away mold detail. Do not use Castin'Craft Mold Release/Conditioner for food type applications.

**Multipart Molds:** Silicone Putty can be used to create small multipart molds. To hold position of mold pieces, it maybe necessary to create and insert keys or pins to lock their position. These keys or pins can be made of silicone putty. Simply form pins or keys in advance of your project. Allow them to cure and then place them into your soft, uncured silicone mold. To stop mold pieces from sticking to each other, use a thin layer of petroleum jelly between mold sections.

**Modeling Clays:** When working with modeling clays, use only sulfur free clays. Modeling clays that contain sulfur will inhibit EasyMold Silicone Putty and stop it from curing. Sulfur free modeling clays can be found at most art and craft stores.

**Storing Molds:** When possible, place the original or cast item in the mold. This helps to keep the mold from becoming distorted. Place molds in a cool, dry, dust free area.

## Trouble Shooting:

**EasyMold Silicone Putty became very warm and somewhat hard before I had time to make my mold:** Work faster at kneading A & B components together, then immediately press your original into the Silicone Putty or apply to your piece; remember that you have about 3 minutes of working time.

**EasyMold Silicone Putty did not cure properly and seems soft in places.** Make sure you have mixed equal amounts of A & B together and that there is a uniform color with no swirl patterns.

**My EasyMold Silicone Putty mold tore, can it be fixed?** Molds made with EasyMold Silicone Putty can tear if too thin. Make molds thicker if you are experiencing this problem. Although, EasyMold Silicone Putty will stick to itself, it may not be safe to try to patch a torn mold as some hot or casting products may leak through the torn/repared area.

**My casting epoxy piece that I removed from my mold has a rough surface; my original did not, what caused this?** The mold had not fully cured and gas generated during the cure cycle has escaped into your resin piece creating small bubbles. Allow the mold to cure 24 hours at 70° F / 21° C or heat cure before using.

## Warranty:

The recommendations given here serve only as a guide. The user shall determine the suitability of the product for the intended use and user assumes all risk and liability whatsoever in connection therewith. Our liability is limited to the replacement price of the product.

Conforms to ASTM PRACTISE D-4236 and the Federal Hazardous Substances Act.

Environmental Technology Inc., P.O. Box 365, Fields Landing, CA. 95537. , Tel: (707) 443-9323 <https://www.eti-usa.com>