

CHILL CLEAR™ INSTRUCTIONS

DESCRIPTION: CHILL CLEAR™ is a transparent casting resin, with optical clarity, that offers excellent resistance to ultraviolet rays. With its low viscosity, you can pour up to ½ inch thick layers at a time. It is the perfect formula to be applied on paintings.

It will help you create resin jewelry and crafts. It can be used to protect wooden tabletops or countertops, led and electronic components. CHILL CLEAR™ is also an ideal sealer to be applied on a surface before casting large quantity of epoxy resin.

CHILL CLEAR™ is sold as a two-component kit: a resin (part A) and a hardener (part B). This epoxy resin can be applied on different surfaces: canvas, stone, wood. It is always recommended to perform a preliminary test to become familiar with the resin and better anticipate the result of your project.

Apply one or more layers, waiting for a minimum of 12 hours between each layer, at **20-22C/68-72F**.

CHILL CLEAR™ pot life is 60 min at **20-22C/68-72F** on a mass of 200 grams. If the mass or temperature is higher than recommended, the pot life and curing time will be affected.

BEFORE YOU START:

1. TOOLS REQUIRED

- Clean graduated containers with smooth, flat bottom walls;
- Flat spatulas of at least one inch wide to scrape the sides and the bottom of mixing container thoroughly while mixing;
- Brushes to apply product on the edges or on curved surfaces.
- Vinyl gloves and goggles

2. SAFETY PRECAUTIONS

Always use gloves and goggles when working. Protect your clothes. Protect the work surface with plastic sheets, wax paper or newspapers.

3. AMBIENT TEMPERATURE:

Check that the temperature in your working environment is **20-22C/68-72F**. Otherwise, the pot life of the resin could be greatly affected.

4. STORAGE

Epoxy resin must be stored in its box in a dry place at a temperature of 20 to 25C/68-77F. Keep out of reach of children. Do not leave resin and hardener in an open container.

SEALER LAYER: it is recommended to apply a thin first layer to seal the surface of the object to be coated especially when it has porosities. The sealant layer also helps to prevent the formation of air bubbles. Using a brush or a squeegee spread a thin layer over the entire surface to be covered. You can continue with the steps following a minimum drying time of 12-16 hours at 20-22C/68-72F.

SURFACE PREPARATION

Apply epoxy on a clean, dry surface free of oil, wax or grease. The object to be covered can be placed about 5 cm above the worktop to allow the coating to drip freely off the sides of the item being coated.

APPLICATION

Mix only as much product as you need to cast . After mixing the resin with the hardener, you have about 60 minutes of working time at 20-22C/68-72F before CHILL CLEAR™ begins to harden.



MIXING RATIO : 2:1 (VOLUME)
EXAMPLE : 200ML (A) + 100ML (B)



CHILL CLEAR™ INSTRUCTIONS

MANUAL:

1. RESIN AND HARDENER SHALL BE STIRRED FOR AT LEAST 8 to 10 MINUTES.

2. MEASURE carefully **TWO** volumes of **RESIN (2X PART A)** for **ONE** volume of **HARDENER (1X PART B)** in a graduated container. Be vigilant and precise in dosages, otherwise the mixture cannot react properly (polymerization) and give a soft and sticky layer.

3. MIX the RESIN (2x part A) and the HARDENER (1x part B), previously measured in a clean container, scraping the sides and the bottom of the container in order to recover the totality of each product.

Mix for at least 8 minutes, avoiding formation of air bubbles by too vigorous stirring. Ensure that the mixture is perfectly homogeneous for good results. Inadequate measuring and mixing is the most common reason for unsatisfactory results.

Mix for 2 more minutes, scraping well the sides and bottom of the cup in making sure the mix is as clear as water. If the mix is cloudy, keep mixing until optimal clarity.

Caution, the more mixture you work with, the more heat will be generated, the faster the mixture will thicken, so you have to work faster.

4. POUR AT ONCE: As soon as the mixture is thoroughly mixed, pour it evenly over the object to be covered. Use a squeegee or brush to spread the mixture. Use a brush for touch-ups or cover some harder-to-reach parts.

5. BUBBLES: it is not necessary to use a torch to get rid of the bubbles. Let the resin degases naturally. The bubbles will pop up naturally after about 10 minutes.

6. CURE: For best results, keep an ambient temperature of 22C/72F. Allow to harden for 24 hours in a dry dust-free room. If the resin-coated object remains sticky, this indicates that the instructions have not been followed to the letter. It is nevertheless possible to reapply a coat by following the instructions.

7. CLEAN- UP: when the resin is still liquid, it can be cleaned with isopropyl alcohol.



WARNINGS: Avoid skin and eye contact. In case of eye contact, wash thoroughly with water and consult a doctor. In the event of skin contact, wash thoroughly with soap and water. Keep out of the reach of children.

WARRANTY: Our recommendations are only given as a guide. Having no control on the use and applications of this product, the manufacturer cannot guarantee the results achieved. The warranty is therefore limited to the replacement of a product whose user can demonstrate that it is in fact defective.



6330 Laurier Blvd West, Saint-Hyacinthe (Quebec) Canada J2S 9A7 Phone: (450) 2503058 o Toll free: 1 866 799-3058 o Fax: (450) 250-3059
sales@polymerestechologies.com · www.polymerestechologies.com



GARANTEE

Having no control over the use and application of this product, the manufacturer and / or the distributor cannot guarantee the result obtained. The warranty is therefore limited to the replacement of a product that the user has demonstrated to the satisfaction of the manufacturer and distributor that it is actually defective. Before using this product, the user must ensure that the product is suitable for its intended use. Only the user assumes the risks related to this use. The user must ensure that this product meets his needs by conducting tests in the short, medium and long term to validate the results and in the conditions of use and according to the instructions provided. This limited warranty excludes all liability for consequential, incidental or special damages. Except as described above, the user expressly acknowledges and accepts at the time of the purchase of this product that the manufacturer and / or distributor disclaims any other liability and any other express or implied warranty of quality and an implied warranty of quality of the material are expressly excluded.