

Bar Top Coating Application Instructions



Products used in this application:

- * Amazing Clear Cast
- * Measuring & Mixing Containers
- * Strong & Flat Ended Stir Stick
- * Plastic Drop Cloth
- * Latex-free Gloves, protective Eyewear
- * Paper Towel
- * Aluminum Tape
- * Good Quality Disposable 2 inch Paint Brush or Foam Applicator
- * Fine Mist Spray Bottle with Isopropyl Alcohol
- * Cutting Blade or Palm Sander

Amazing Clear Cast Resin

Open Time: 30-40 min*

Cure Time: 24-48 hrs*

Approx. Coverage: 2 gallons of mixed Amazing Clear Cast = 26 sq.ft. in a 1/8" thickness

(*Open time & cure time schedule will vary based on temperature and humidity)

- **Read all instructions & safety information prior to use.**
- **Available in 2gal, 10 gal, or 110 gal kits**
- **FDA CFR 177.2600 Compliant**

****Not Recommended for Outdoor Applications****



SURFACE SEALING: The level of surface prep will depend on the surface being coated. For wood surfaces, we recommend using a sealer such as Mod Podge, which goes on white but dries clear. This seals porosity and reduces the amount of air bubbles that can rise out of surface. If any crevices, knots, or holes exist, they should be pre-filled with Amazing Clear Cast and allowed to cure prior to surface coating. Deep or large crevices may require multiple pours.



Encapsulations: If encapsulating photos, Mod Podge should be used to glue photo down during the sealing process and should also be coated over top of picture to prevent bleeding of the photo. Remember Mod Podge dries clear and will not effect the clarity of the picture once coated with Amazing Clear Cast. When encapsulating anything porous, always seal with Mod Pog. Any light items need to be glued down to prevent them from floating to the surface. If you think it might float, glue it down with super glue or clear hot melt glue.

Note: When pouring Amazing Clear Cast over a surface, any gaps, holes, or crevices will be filled with resin. To prevent using excess resin that will flow into, around, and under these areas, we recommend sealing these up with a clear silicone caulk, clear hot melt, or Alumilite Synthetic Clay that will fill these voids.

When to use Aluminum Tape: Most table tops and even bar tops do not contain a lip or border to contain the resin. Aluminum tape allows you to create a temporary dam to contain the resin until it thickens slightly to achieve a thicker & uniform coating when flowing over the edge. The tape can also be left in place during cure if edge coating is not desired, although the inside of the tape must be coated with Alumilite Rubber to Rubber mold release to prevent bonding to the resin. Sharp edges that are formed when the Amazing Clear Cast cures can be sanded, trimmed, or routed to a smooth finish. These edges can be polished to return gloss if desired or a light coat of resin brushed on.



Note: Un-level surfaces can cause resin to pool and ultimately use more resin. In some extreme cases, a uniform coating will not be achieved resulting in thin and thick areas. Pooling resin will create pressure on the tape that can cause the tape to release prematurely. To prevent this, apply tape to a clean surface and press firmly to form a good bond. A supporting piece of trim could also be applied on the outside perimeter to support the tape.

Environment: Prior to pouring your Amazing Clear Cast, thoroughly vacuum the surface and the room where the resin is being applied. Dust in the environment can become air-borne and settle onto the surface of the resin. Temperature of the room, surface, and resin will effect how the resin self levels and ultimately cures. Ideal application temperature is 70-80°F. If resin is cold, place resin bottles with caps tightened into a sink or bucket filled with warm water for 10-20 minutes. Temperature of resin should within the 70-80°F range as well. Protect floors/environment with plastic sheets.



Coverage & Application Thickness: A thick coat such as 1/8" thick coating per 1 square foot requires 10 fl oz of volume. This is a good volume estimate to use for your coating project however it does not consider uneven surfaces, edges, absorption, or waste. A thinner coating such as 1/16" will require half the volume per square foot (approximately 5 fl. oz.). Therefore, an approximate coverage of 1 gallon of mixed Amazing Clear Cast is 13 sq.ft. in a 1/8" thickness or 26 sq. ft. for a 2-gallon kit at the same thickness.



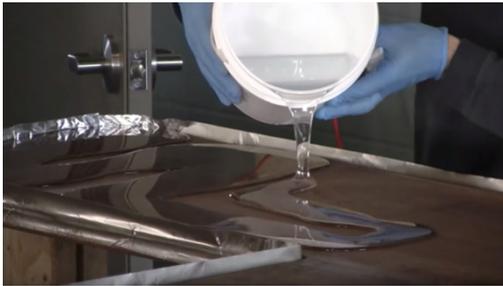
Application thicknesses greater than 1/4" in a single pour may shrink, discolor, pull away from surfaces, and/or warp. Where thicker coatings are desired, it is recommended to pour multiple coats. Additional coats can be applied no sooner than 3-4 hours and no longer than 12 hours for optimum adhesion.



Measuring & Mixing: The Amazing Clear Cast has a mix ratio of 1:1 by volume. Therefore use measuring cups with graduations on the side or make your own fill line at the same level on each measuring container. In separate containers, measure out equal amounts of Part A and B. Combine both sides into a large mixing container that has a flat bottom and flat sides to adequately mix resin. Begin mixing resin slowly, ensuring to scrap the sides and bottom. You should also scrap off your stir stick on the lip of the mixing container to dislodge any unmixed resin from the stick. Continue stirring slowly, not to incorporate any more air into the system as possible. Once all striations have dissolved, mix for another 2-3 minutes to ensure adequate mixing. **Note:** Failure to mix 1:1 by volume or mix thoroughly will result in tacky/soft spots and/or cause the resin not to cure properly.



Vacuum Degassing (if available): Once Amazing Clear Cast has been thoroughly mixed, if you have vacuum degassing equipment, we recommend degassing prior to pouring to minimize air bubbles. If you do not have this equipment, proceed to next step.



Pouring: Once you have properly mixed Amazing Clear Cast, you are ready to pour. Slowly pour resin onto the surface going from side to side (or in a circular pattern if pouring onto a circular shape). Pour strips of resin close enough so that they will self level into one another. If you have areas that do not flow together, simply pour more material in area. Continue this process of mixing and pouring until project has been fully coated. For large applications, it is helpful to have one person measuring and mixing while a second person is pouring and keeping an eye on the surface.



Recesses or encapsulations: Areas of recess or encapsulation should be filled very slowly and poured first. Watch for trapped air bubbles in corners, in the detail of objects, etchings, carvings, or crevices. Ease them out by using a tooth pick or other pointed instrument. Do not pour second coat until 3 or 4 hours later.

Note: We recommend turning off furnaces/fans/air conditioners as long as possible until product has fully cured. This reduces the amount of dust circulating in the air that can settle onto the surface. This may not be possible in cooler/winter climates as a minimum room temperature of 70°F should be maintained to assist with curing.



Alcohol Misting: As the product self levels, air bubbles will naturally rise to the surface. Applying a fine mist of isopropyl alcohol over the surface can greatly assist in the removal of air bubbles at or near the surface. This should be done within 1 hour from start of mixing. Misting bottles are available through Alumilite.



Edges: For those that choose not use use tape, pour enough resin onto surface to allow resin to flow over the edges to coat them. A good quality disposable or foam applicator can be used to distribute resin over the surface of the edges. We recommend brushing in one direction only. Excess material may continue to fall from the edge onto the protected floor. A brush or foam applicator can be used to remove excess material from the under edge as well. Painters tape can be used on the underside if resin is not wanted on this area, although it must be removed once resin stops flowing or it may bond to surface.



Aluminum Tape: If Aluminum tape was used, the tape can be removed when resin has thickened slightly, but still flows. Again, use a brush or foam applicator to assist in uniform coverage and removal of excess resin if needed.



Cure: Amazing Clear Cast cures in 24-48 hours. Thinner layers will cure more slowly than thicker layers. As a general rule, the warmer the room, the quicker it will cure.

Removing Drips: Drips off edges can be easily removed with a sharp blade once resin has solidified, but not totally hardened. This usually occurs in 6-10 hrs. If the resin has fully cured and is too hard to remove with a blade, a palm sander can be used. This will create dust, therefore make sure that entire resin surface is completely cured/tack-free. In addition, use a shop vac to collect residual dust during sanding and cover newly pour surface if possible.

