



Coating Resins

ECR1220 epoxy resin is a pourable, self-leveling two-part crystal clear resin system that protects and preserves table tops, bar tops, and counters. It cures brush-free to a clear, glassy, 100% waterproof finish with excellent scratch, stain, and yellowing resistance. BPA-free formula contains no VOCs. Coating epoxies are applied in thin layers to provide a protective, glossy surface coat.

Applications

- Table Tops
- Bar Tops
- Color Fluid Projects
- Art Painting Surface Coatings

Features

- Crystal Clear
- Anti-Scratch Properties
- UV Resistant
- Heat Resistant
- Self Leveling
- No VOCs/BPA



TECHNICAL OVERVIEW

Physical Properties	DATA
Mix Ratio By Weight	1A : 1B
Mixed Viscosity CPS.	15000CPS
Pot Life	<20 minutes
Pouring Thickness	1/8inch
Cure Time	>12 hours
Color	Clear
Shore D Hardness	85D
These tests were conducted at 77°F/25°C. Pot life and tack-free time can vary depending on volume and room temp	

Before used:

1. Store and use in a normal room temperature environment (at 23 °C).
2. Non room temperature environment, heat the resin and hardener with warm water before use, and use in a normal room temperature environment.

Adding Color- It can be colored with colorants, glow powders or effects fillers. Pre-mix color or filler with Part A thoroughly and then add Part B. It is recommended to run a small scale color test in advance to ensure that the casting effect is appropriate for your project.

PROCESSING RECOMMENDATIONS

1. After mixing this product evenly with epoxy resin, it begins to react and release some heat, and its viscosity will gradually increase.
2. The more adhesive is mixed, or the higher the operating environment temperature, the faster its reaction rate and curing rate will be, and it may release a large amount of heat. Conversely, the curing rate will also be relatively slow. Therefore, please pay attention to controlling the amount of adhesive in different temperature environments, because due to the accelerated reaction, its usable time will also be shortened. The mixed adhesive should be used up as soon as possible.
3. According to actual usage and requirements, the ratio of curing agent can be adjusted appropriately within a certain range, but it is recommended to conduct comparative tests in the laboratory first to determine the adjustment range.
4. It is recommended to take a small sample first and use it in large quantities only after meeting the conditions.
5. Although this product is environmentally friendly and solvent free, due to individual differences in physical condition, direct contact with the skin may cause allergic features such as itching, redness, and swelling. Therefore, operators must wear protective gloves and the workplace should have good ventilation facilities.
6. If this product splashes onto the skin or clothes, it can be wiped with industrial anhydrous alcohol or acetone, and cleaned with soap; If accidentally ingested or ingested, rinse immediately with plenty of water, induce vomiting, and seek medical attention.

Instruction for defoaming

1. Heat the resin and hardener with hot water before use
2. Slow mixing
3. Do not pour too thick at once

Technical Bulletin



4. Spray alcohol on the surface after pouring (or use a hot air cylinder or flame gun on the surface)

Safe instruction

The Material Safety Data Sheet (MSDS) for this or any our product should be read prior to use .

Keep Out of Reach of Children

Be careful. Use only with adequate ventilation. Contact with skin and eyes may cause irritation. Flush eyes with water for 15 minutes and seek immediate medical attention. Remove from skin with waterless hand cleaner followed by water.

Shelf Life and Storage

Shelf life: 12months from the manufacturing date.

Storage: Hermetical and stored in a dry place at 70°F/21°C.

Disclaimers

The above data provided by our company is the data obtained from testing the product at a humidity of 70% and a temperature of 25 °C. It is for customer reference only. Our company does not promise or assume any legal responsibility for all data. Considering that our product is affected by many factors during processing and use, we cannot fully guarantee all data that can be achieved in a specific environment. Customers are kindly requested to conduct a comprehensive test of the product's applicability before use, and the measured data shall prevail.

