

## PRODUCT DESCRIPTION

E2U's Clear-Art (Casting) Epoxy is a two component, high performance, modified cycloaliphatic Casting epoxy with good UV resistance. E2U Clear Art Casting Epoxy has features for high-gloss, extreme clarity, low odor, solvent-free, low viscosity, abrasion, and chemical resistance. It has excellent bonding characteristics and is specifically designed to decorative casts and molds.

## APPLICATIONS

Resin castings Molding resin Art or crafting resin High build coatings Mass castings

## PRODUCT DATA

Volumetric Ratio	_____	2 to 1
Solids	_____	100%(+/- 1%)
Coverage	_____	100 sqft/gal. at 16 mil
Application Temperature	_____	55° - 90°F
Thinning	_____	Not Required
Pot Life	_____	15 - 20 min.
Working Time on Floor	_____	25-35 min.
Cure Time	_____	24 - 72 hours
Full Cure	_____	5-7 days
Shelf Life	_____	12 months
USDA Food & Beverage	_____	Meets Req.
Critical Re-Coat Time	_____	12 hrs

## ADVANTAGES

- Essentially odorless
- Self-priming over properly prepared substrate
- High color stability
- High gloss
- VOC Compliant

## PHYSICAL PROPERTIES

PROPERTY	VALUE	REFERENCE
Compressive Strength	7,800 psi	ASTM C 695
Flexural Strength	3,700 psi	ASTM D 790
Tensile Strength	4,900 psi	ASTM D 638
Bond to Concrete	350 psi	ASTM D 4541 (Concrete fails at this point)
Taber Abrasion	75-80 Mgs	ASTM D 4060
Flammability	Self-extinguishing	
Hardness, Shore D	84	ASTM D 2240
Coefficient of friction	0.6	ASTM D 1894

## PACKAGING

### 3 GALLON KITS

PART A \_\_\_\_\_ 2 GAL  
PART B \_\_\_\_\_ 1 GAL

### 15 GALLON KITS

PART A \_\_\_\_\_ 10 GAL  
PART B \_\_\_\_\_ 5 GAL

### 1.5 GALLON KITS

PART A \_\_\_\_\_ 1 GAL  
PART B \_\_\_\_\_ 0.5 GAL

## CONCRETE PREPERATION

Before coating is applied, concrete must be:

- Dry – No wet areas
- Clean – Contaminants removed
- Profiled – Surface must be diamond ground to a CSP (Concrete Surface Profile) rating of "2"... Roughly the feel of 100 Grit Sandpaper.
- Sound – All cracks and spalled areas repaired

**Note:** Mechanical preparation is the preferred method of preparing concrete for coating application. Shot-blasting, diamond grinding, scarifying and scab-bling are all acceptable methods.

## PATCHING

When using the Clear Art epoxy it is **STRONGLY** recommended to fill any items you intend to put in your mold that have cavities in them where air can be trapped. First fill them with resin and allow them to dry completely before you start pouring in the mold.

## TESTING

All surfaces are not the same. It is recommended that a sample area be done before the start of the project. The test should be done on-site, using the proposed method by the assigned applicator to insure proper adhesion and color. A sample area should also be done on any existing coatings to determine if any contaminants exist or if delaminating will occur.

## MIXING

The ratio of CLEAR-ART/CASTING EPOXY is 2 to 1. That is, two parts A (resin) to one part B (hardener). Mix the following with a drill and mixing paddle. Note: If using a drill mixer, use a low speed (not to exceed 300 rpm) to prevent air entrapment.

1. Mix up desired amount at a 2 to 1 ratio ("A" to "B") for approx. 90 seconds.
2. Immediately pour contents out **SLOWLY** into mold

## CLEAN UP

E2U Epoxy, while in an un-reacted state, may be cleaned up with hot water and degreaser. Isopropyl alcohol or acetone may be needed once the resin begins hardening. Lastly, a strong solvent like methylene chloride may be required if resin is nearly set up.

## APPLICATION INSTRUCTIONS

Immediately upon completion of mixing product, **SLOWLY** pour into mold and allow to settle. You may pour up to 1" thickness in a single pour. If desired thickness is greater than 1" you will need to wait 2 hours before your next pour, as the first pour will need to cool off... You want to avoid building up heat and causing the product to unnecessarily bubble or skin over on the surface. **DO NOT** scrape sides of container when pouring out. When desired thickness is reached allow to cool and cure for a minimum of 48 hours before removing the sides of the mold.

### WARNING! SLIP AND FALL PRECAUTIONS

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slipresistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. E2U Flooring recommends the use of angular slip-resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. E2U or its sales agents will not be responsible for injury incurred in a slip and fall accident.

We believe this product complies with all other applicable state and federal laws and regulations governing manufacturing, distribution and intended use. User is solely responsible for the legal disposal of this container and/or its contents.

### Handling Precautions

Use only with adequate ventilation. Appropriate cartridge-type respirator must be used during application in confined areas. Avoid contact with skin. Some individuals may be allergic to epoxy resin. Protective gloves and clothing are recommended.

### WARRANTY

E2U products are warranted for one year after date of purchase. Please refer to the Limited Material warranty for additional clarification.

**KEEP OUT OF REACH OF CHILDREN**



**MADE IN USA**