

# ULTRA CLEAR 100 EPOXY

100% Solids, Extra Clear Epoxy— Up to 1/2"

## Product Description

Ultra Clear 100 Epoxy is a 100% solids, two component, clear epoxy system. Ultra Clear 100 Epoxy is designed to fill cracks and voids up to 1/2" deep and remain super clear. Ultra Clear 100 Epoxy is an excellent choice over concrete and wood when a clear, low volume epoxy is needed.

## Benefits & Features

- Excellent for a variety of seamless concrete and wood applications
- Fast cure time allows for projects to continue quickly
- Use this product for a variety of craft and specialty projects where a clear epoxy is needed
- VOC compliant for most areas in the United States and Canada

## Recommended Applications

Ultra Clear 100 Epoxy is effective on applications such as tables, countertops, crafts, and other applications where an extra clear epoxy is needed.

## Technical Information

Solids	100%	Wet Appearance	Clear
Dry Time - Tack Free	1 - 36 hours*	Dry Appearance	Extra Clear and High Gloss
Dry Time - Foot Traffic	8 - 48 hours*	VOC Content	Less than 5 grams/Liter
Re-Coat Time Window	8 - 48 hours*		
*Refer to back for more information			
Application Temp	50°F - 80°F		

\*\*\*Testing in accordance with procedures outlined in EPA Method 24, "Volatile Organic Content VOC of Paints and Related Coatings". The solids content was determined in accordance with ASTM D 5095 and the VOC was calculated in accordance with ASTM D 3960.

## Specifications/Compliances

Meets OTC, CARB, LADCO, & SCAQMD VOC restrictions

## Approximate Coverage Rates

Figure the cubic inches by measuring Length x Width x Depth. Every cubic inch needs 0.554113 fluid oz. of epoxy (Example: 12" x 12" x 1/2" = 72 cubic inches | 72 x 0.554113 = 40 oz.) ALWAYS have extra material on hand to account for settling that may occur.

## Shelf Life

Up to one year from manufacture date in its original, unopened container stored at room temperature.

## Packaging

Available in 3 quart and 1.5 gallon kits

**ORRVILLE**  
133 North Kohler Road  
Orrville, Ohio 44667  
(330) 682-5678

**CLEVELAND**  
7941 Granger Road  
Cleveland, Ohio 44125  
(216) 573-0770

**COLUMBUS**  
690 Harrison Drive  
Columbus, Ohio 43204  
(614) 253-3326

**POLY ARMOUR**

www.eco-cretesupply.com

## **Instructions for Use**

**Ultra Clear 100 Epoxy is designed to be used to fill cracks and voids up to 1/2" thick and still maintain clarity. Please note that this product will cure very rapidly in higher volume pours which may affect the desired finish and clarity. Test Prior to Use!**

**Surface Preparation:** When applying to concrete, a fine to medium shot blasting or the use of a diamond grinding machine with a 30 grit or coarser diamond to obtain a surface profile of a CSP-3 to a CSP-5 is suggested for optimum adhesion. Concrete must be fully cured prior to applying epoxy. Moisture in the concrete may cause bubbling, blushing, delamination, etc. If applying to wood or other surfaces, the surface must be clean, dry, and free of any debris. The surface must also be porous enough to accept a coating.

**Please note that higher substrate, air and material temperatures as well as excessive humidity may speed the cure rate of this product. Cooler temperatures and lower humidity may extend the cure rate of this product.**

**Priming:** If necessary, prime concrete surfaces with WB Epoxy to improve adhesion and reduce air bubbles. Refer to the WB Epoxy technical data sheet for application information. For wood surfaces, brush or roll on a light coat to seal of the surface to reduce air bubbles.

**Mixing:** If mixing less than a full kit, mix Part A & Part B separately with a stir stick prior to blending the smaller kit to ensure uniform distribution of all ingredients. Pour a full pre-packaged kit of 2 parts of Part A to 1 part of Part B together and mix well with paint paddle for 5 minutes or until the material is thoroughly mixed homogenous. It is not recommended to mix with a drill mixer to avoid whipping air into the coating. Improper mixing may result in product failure and/or air bubbles.

**Application:** Ensure that the form, mold, etc. that the epoxy will be poured into is sealed thoroughly to avoid leaks, loss of material and air bubbles. Slowly pour the mixed material into the form. Allow the material to fill all voids well. Using a small stir stick to slowly run through the material and pushing it into voids where air may be trapped will help to eliminate late air bubbles and settling of the material. Using a heat gun or propane torch to pop air bubbles will improve clarity and help eliminate surface bubbles.

\*Please note that this product cures faster in higher volumes. Lower volume pours may take longer than expected to fully cure. Always test prior to use.

**Re-Coat/Top Coat:** For surfaces with no foot traffic, allow the epoxy to cure to a point when a finger print cannot be left on the surface then apply another coat immediately. For surfaces with foot traffic, allow the epoxy to cure thoroughly. Screen the surface with a 40-60 grit sanding screen for another coat of epoxy. For urethane and other thin mil coatings, screen with a 80 - 100 grit sanding screen. Sweep, vacuum and solvent wipe the surface thoroughly to ensure all screening dust is removed.

**Please Note:** Applying this product in high temperatures and high volumes may cause it to cure faster causing air bubbles, ambering, wavy finish, etc. It is recommended to be used at 70°F with 50% RH. Coverage rates may vary for all coatings and substrates depending on porosity, density, texture, etc. Coating may darken surface. Coating may cause surface to be slippery when wet.

## **Clean-Up**

Use MEK. Dispose of containers in accordance with local, state and federal regulations.

## **Product Removal**

Dried, cured epoxy may be removed by using diamond grinding method, sandblasting method or similar mechanical action.

## **Precautions & Limitations**

- This product will freeze during storage. Store at temperatures above 40°F.
- All HVAC ventilation ducts should be somehow blocked prior to application so solvent fumes are not distributed
- Use proper ventilation while applying and for hours after application to ensure fumes are removed
- This product, specifically Part B, is corrosive. Wear proper safety equipment while handling material
- It is not recommended to apply product over carpet, tile, or other types of floor adhesives
- Please be aware that this product when cured may be slippery when wet.
- All new concrete must be cured for at least 28 days prior to application
- DO NOT THIN! Thinning may result in loss of clarity and trapped air bubbles.
- This product may darken the surface of many new and existing concrete slabs. Test prior to use.
- Physical properties listed on this technical data sheet are typical values not specifications.
- This product is not UV stable and should not be used outdoors or in areas exposed to excessive sunlight.
- Keep area dust free until the epoxy is fully cured
- If mixed with solvent, DO NOT use heat gun or torch to reduce air.

## **Special Notes**

Please consult Safety Data Sheet (SDS) and read warranty information prior to use. This information can be requested by contacting customer service at 330-682-5678.

### **ORRVILLE**

133 North Kohler Road  
Orrville, Ohio 44667  
(330) 682-5678

### **CLEVELAND**

7941 Granger Road  
Cleveland, Ohio 44125  
(216) 573-0770

### **COLUMBUS**

690 Harrison Drive  
Columbus, Ohio 43204  
(614) 253-3326

