



# WATERBORNE EPOXY CLEARCOAT

THE ORIGINAL COLOR CHIPS COMPANY 26200 GROESBECK HWY WARREN, MI 48089 USA

## Waterborne Epoxy Polyamide

**General Description:** A high performance, two-component, clear waterborne gloss epoxy coating for use as a hard, durable high performance architectural coating (HIPAC). Features easy application, low VOC, high flash point, lower odor than solvent-based epoxies, and a hard, tough, stain-resistant finish.

**Typical Uses:** Use on interior properly prepared poured concrete with epoxy coating, concrete block, drywall, metal and wood. Ideal for hard usage areas of schools, hospitals, restaurants, and public buildings.

**Special Qualifications:** Suitable for use on structural surfaces or surfaces where there is a possibility of incidental food contact in commercial food preparation establishments, food processing plants and federally inspected meat and poultry plants. USDA no longer requires or furnishes product certification letters.

**Color:** Clear **Finish:** Gloss

**Clean-up:** Soap and warm water

**Weight/Gallon (mixed):** 10.1lbs./gal. (1.21kg/L)- varies with color

**VOC (mixed):** 1.72 lbs./gal.

**Solids By Volume (mixed):** 43% ± 1% - varies with color

**Practical Coverage:** Apply at 200-250 sq. ft./gal. (6-8 m<sup>2</sup>/L) on smooth, sealed surfaces. Actual coverage may vary depending on substrate and application method.

May be spray applied at 120-235 sq. ft./gal. (3-6 m<sup>2</sup>/L).

**Recommended Film Thickness:** 1-2 mils (25-50 microns per coat)

**Service Temperature Limit:** 250°F (121°C) in air.

May discolor at temperatures over 140°F (60°C).

**Flame Spread Rating:** Class A (0-25) over noncombustible surfaces

**Flash Point:** Over 200°F (96°C)

**Minimum Dry Time (ASTM D 1640) At 3 mils**

**Minimum Recoat 16 Hours Dry Hard 24 Hours**

**All surfaces must be sound, dry, clean and free of oil, grease, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.**

**Mixing:** Mix part A and B Separately. Thoroughly mix 4 parts A to 1 part B per volume and proceed immediately with the application. Mixed material is usable for six to eight hours; If thinning is necessary, use a max of 8 ounces of cold water. Do not thin with solvents or solvent thinned coatings. Do not add flow-control materials.

**Unlike most other systems, this material does not become hard after pot life has expired; it remains liquid during a prolonged period. However, if pot life is exceeded, application will result in lower gloss, loss of chemical resistance and physical properties of coating. DO NOT APPLY AFTER 6 HOURS OF BEING MIXED. Simply discard.**

**Non-skid Application:** Surfaces coated with high-gloss epoxy may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, use the Non-Skid Additive. While applying your color chips into the wet basecoat, use the Original Color Chips Easy Sprinkle Can to sprinkle non-skid grit onto coating. Be sure not to apply non-skid in too high-concentration, otherwise it will be more visible. Sprinkle at (1) 1.5 lb. can of non-skid per 500 square feet. You can apply when rolling out your topcoat by rolling forward, sprinkling non-skid, then backrolling over it. The non-skid (as well as the color chips) will provide tiny bumps onto the floor, without sacrificing high gloss sheen.

**Shelf Life:** 1 year minimum - unopened

**Mix Ratio By Volume:** 4 (base – part A): 1 (converter – part B)

**Pot Life:** 6-8 hours @ 77°F (25°C)

### Advantages:

- Chemical and stain resistant
- Resists splash and spillage of alkalis, salts, moisture, oils, grease, foodstuffs and detergents
- Abrasion resistant
- No odor and a high flash point
- Use over alkyd, latex or epoxy coatings
- Long lasting tile-like finish
- Easily washed and cleaned
- Low VOC
- Outstanding resistance to U.V. in its category

**Curing Time:** Touch Dry 4-5 hours

Hard Dry 16-18 hours

Complete Cure 7-days

**Limitations of Use:** Not recommended for immersion Service. Exterior exposure will cause yellowing and early dulling. As well as loss of gloss, but does not affect protective properties. For interior use only.

Epoxy coatings may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters.

**Spreading Rate:** Apply at 200-250 sq. ft./gal. (6-8 m<sup>2</sup>/L) or 5.0-7.0 mils wet (2.0-3.0 mils dry) on smooth, sealed surfaces. Actual coverage may vary depending on substrate and application method. May be spray applied at 120-235 sq. ft./gal. (3-6 m<sup>2</sup>/L) or 7.0-11.0 mils wet (3.0-5.0 mils dry).

**Clear Gloss Topcoat Application:** Once ready to apply topcoat (waiting overnight for the basecoat to efficiently cure), mix Part A and Part B together (equals one gallon). Refer to 'Mixing Section' of this product data sheet. Continue mixing throughout application. **Be sure to roll one even coat of Crystal Clear topcoat to entire surface to be coated.** Material may go on as a milky white (may even look like white paint) but it will dry Crystal Clear. Be sure to use one even layer. It is often under the assumption that if you apply the epoxy thicker than you will get better protection. This is not necessarily the case. By applying the epoxy in one thick layer, the epoxy will have trouble curing properly which can cause yellowing or milky-white spots. If you do decide to double coat the clear top coat, please allow at the **minimum** of 16 hours for the first layer to cure before attempting a second coat. (heavy or full broadcasts of chips often calls for a double layer of clear coat.)

**WARNING! CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED. ASPIRATION HAZARD-CAN ENTER LUNGS AND CAUSE DAMAGE. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES RESPIRATORY TRACT IRRITATION.**

**MAY CAUSE ALLERGIC SKIN REACTION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY DAMAGE. WHEN TINTED, CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**Packaging:** .7 gallon kit  
.56 US gallon Component A  
.53 liters Component B