



# WATERBORNE EPOXY BASECOAT

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

## PRODUCT DESCRIPTION

**Generic:** Waterborne Epoxy Polyamide

**General Description:** A high performance, two-package, chemically-cured 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. May be used in areas subject to continuous high moisture such as shower rooms.

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

**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.

## FEATURES

### Advantages:

- Chemical and stain resistant
- Resists splash and spillage of alkalis, salts, moisture, oils, grease, foodstuffs and detergents
- Abrasion resistant
- Low odor and a high flash point
- Use over alkyd, latex or epoxy coatings
- Long lasting tile-like finish
- Easily washed and cleaned
- Low VOC
- Performance alternate for Federal Specifications TT-C-535B (Type II) and TT-C-550C (Class A)

**Limitations of Use:** Not recommended for immersion service. Exterior exposure will cause early dulling and loss of gloss, but does not affect protective properties. Epoxy coatings may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters.

## GENERAL SURFACE PREPARATION

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. **New Surfaces: Concrete, Plaster and Masonry** - Cure at least 30 days before painting. pH must be 10.0 or lower. Remove laitance and roughen unusually slick poured or precast concrete by acid etching, sandsweeping, or shot-blasting the floor. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Dry overnight to recoat. Fill voids and cracks in areas of concrete with epoxy filler. In moisture prone areas, fill with this product. Fillers must dry overnight before coating. **Drywall** - Prime with this product or waterborne primer. **Wood** - Prime with this product reduced one-half pint per gallon with water or prime with waterborne primer. **Steel** - Prime with waterborne epoxy primer. **Galvanized Metal and Aluminum**- Prime with waterborne epoxy primer. **Glazed Brick, Ceramic Tile and Fiberglass** - Scuff sand and prime with waterborne epoxy primer. **Previously Painted Surfaces:** The waterborne components of this product generally allow use over most old coatings. Old coatings should be tested for lifting. If they lift, remove them. Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Mix and start painting.

## SPECIFICATION DATA

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

**Finish:** Gloss, 90 units minimum @ 60°

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

**Weight/Gallon (mixed):** 5.1 lbs./gal. per part

**VOC (mixed):** 1.72 lbs./gal. (206 g/L) - varies with color

**Coverage:** Apply at 235-250 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:** 2.0-5.0 mils (50-125 microns) dry - 5.0-11.0 mils (125-275 microns) wet

**Service Temperature Limit:** 250°F (121°C) in air. May discolor at temperatures over 140°F (60°C).

**Flash Point:** Over 200°F (96°C)

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

**(75 microns) DFT & 50% RH:**

**Substrate Temperature 77°F (25°C)**

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

**Warning:** The above table provides general guidelines only. Always consult your Original Color Chips Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The use of accelerators or force curing may shorten the aged recoat of individual coatings. The above recoat windows may not apply if recoating with a product other than those listed above.

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

**Mix Ratio By Volume:**

1 (base – part A):1 (converter – part B)

**Induction:** 30 minutes - above 70°F (21°C),

45 minutes - below 70°F (21°C)

**Pot Life:** 6-8 hours @ 77°F (25°C)

**WARRANTY/LIABILITY:** Liability, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products.



# WATERBORNE EPOXY BASECOAT

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

## DIRECTIONS FOR USE

**Mixing:** Slowly add Component B to Component A in a 1:1 ratio. Stir thoroughly and scrape sides of can to ensure thorough blending. Allow the mixed material to stand 45 minutes at temperatures below 70°F (21°C) before use. Above 70°F (21°C) allow 30 minutes induction time. Always restir before use. Mixed material is usable for six to eight hours; if it thickens, do not add thinner, but discard and mix fresh material. If spraying, Do not thin with solvents or solvent thinned coatings. Do not add flow-control materials.

**Note:** Surfaces coated with this product may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, add non-skid additive.

**Spreading Rate:** Apply at 235-250 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).

**Application:** May be applied by brush, roll or spray. No thinning required. For airless spray, use a .015" tip. Adjust pressure as needed. Spray is preferred for appearance and build. For roller application, use clean medium nap synthetic roller (1/2" nap) (new rollers must be free of loose fibers). Brushing is best reserved for small areas of "cutting in". **Do not apply when surface or air temperature is below 50°F (10°C).** Dark colors may require multiple coats to achieve correct film thickness and/or hiding. *Option: For even better adhesion and longevity you can apply a primer coat; thin first coat with water to allow epoxy to sink further into concrete. Apply a second coat unthinned.*

**Drying Time:** Application temperature range is 60°-95°F (16°- 35°C). At 77°F (25°C) and 50% R.H., dries to touch in two hours and to recoat overnight. Full cure in seven days. Dries to light foot traffic on concrete floors in 48 hours. Low temperature, high humidity, thick films or poor ventilation will increase these times. Lack of ventilation and/or the use of portable fuel burning heaters that produce exhaust gases, during application and initial stages of curing, may cause yellowing to occur.

**Clean-up:** Clean immediately after use with warm, soapy water. Rinse pumps and hoses with Xylol Xylene after cleaning.

## PRECAUTIONS

**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.**

**NOTICE:** This product contains solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. (product code: 4408) If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use.

**FIRST AID:** In case of skin contact, wash off **quickly** with plenty of soap and water, remove contaminated clothing. For eye contact flush **immediately** with large amounts of water, for at least 15 minutes. **Obtain emergency medical treatment.** If swallowed, **obtain medical treatment immediately.** If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, **get medical help. KEEP FROM FREEZING.**