



ICI Devoe Coatings is a member of the ICI Paints World Group

TRU-GLAZE-WB™ 4408

Waterborne Epoxy Gloss Coating

Cat. # 4408-XXXX/4408-9999

PRODUCT DESCRIPTION

Generic: Waterborne Epoxy Polyamide

General Description: A high performance, two-pack-age, 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.

SPECIFICATION DATA

Color: White & custom colors

Finish: Gloss, 90 units minimum @ 60°

Clean-up Solvent: Soap and water

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

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

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

Theoretical Coverage at 1.0 Mil Dry: 690 sq.ft./gal. (17 m²/L)

Practical Coverage: Apply at 235-320 sq. ft./gal. (6-8 m²/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 m²/L).

Recommended Film Thickness: 2.0-5.0 mils (50-125 microns) dry - 5.0-11.0 mils (125-275 microns) wet

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Devoe Coatings' Industrial Coatings Specialist for proper systems using this product. Systems must be selected considering the particular environment involved.

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 (75 microns) DFT & 50% RH:

Substrate Temperature	77°F (25°C)
Minimum Recoat	16 Hours
Dry Hard	24 Hours
Maximum Recoat	
Self	No Limit

Warning: The above table provides general guidelines only. Always consult your ICI Devoe Coatings Specialist 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. If the maximum aged recoat window is exceeded, please consult your ICI Industrial Coatings Specialist for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: 1 year minimum - unopened

Mix Ratio By Volume: 1(base):1(converter)

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

Pot Life: 6-8 hours @ 77°F (25°C)

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.

PERFORMANCE DATA

PROPERTY

Abrasion Resistance

TEST METHOD

ASTM D 4060, CS-17 wheels, 1000g load, 1000 cycles

RESULTS

180mg loss

Pencil Hardness

ASTM D 3363

B

Flexibility

ASTM D 522, Method B, 1/8"

No cracking or flaking

Impact Resistance

ASTM D 2794

>100 in-lbs

Water Resistance

ASTM D 2247, 1000 hours,

No blistering and 90% gloss retention

Chemical/Stain Resistance

ASTM D 1308

Excellent resistance

(grape juice, shoe polish, lipstick, coffee, aliphatic hydrocarbons, water, motor oil, 50% ethanol solution)

Washability

ASTM D 6142, Fed. Std. 141C, 10,000 cycles

No wear through

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF1-0690

FINISHES
SPECIAL COATINGS (9800)

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09800

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 or sandsweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with this product thinned 8:1 with water or prime with waterborne epoxy primer TRU-GLAZE-WB 4030. Dry overnight to recoat. Fill concrete block in areas not subject to moisture with latex filler BLOXFIL® 4000 or ULTRA-HIDE 3010. In moisture prone areas, fill with this product or filler TRU-GLAZE® 4010. Fillers must dry overnight before coating. **Drywall** - Prime with this product or waterborne

primer GRIPPER 3210. **Wood** - Prime with this product reduced one-half pint per gallon with water or prime with waterborne primer GRIPPER 3210. **Steel** - Prime with waterborne epoxy primer TRU-GLAZE-WB 4030. **Galvanized Metal and Aluminum** - Prime with waterborne epoxy primer TRU-GLAZE-WB 4030. **Glazed Brick, Ceramic Tile and Fiberglass** - Scuff sand and prime with waterborne epoxy primer TRU-GLAZE-WB 4030.

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. Prime bare areas with primer specified under **New Surfaces**.

DIRECTIONS FOR USE

Tinting: Tint the appropriate 4408-XXXX Component A base with ICI Colorants. Mix thoroughly before 4408-9999 Component B is added.

Mixing: Slowly add 4408-9999 Component B to 4408-XXXX 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 initial thinning is necessary, use up to one-half pint water per gallon. 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 one pound per gallon of coarse pumice or other texturing material.

Spreading Rate: Apply at 235-320 sq. ft./gal. (6-8 m²/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 m²/L) or 7.0-11.0 mils wet (3.0-5.0 mils dry). For best hiding, tint primers toward finish coat color. Certain shades of yellow,

orange, pink and red may require multiple coats.

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 (new rollers must be free of loose fibers). Brushing is best reserved for small areas of "cutting in". For maximum gloss development, two coats of this product are recommended. In some cases, one coat may be sufficient depending on the application method, color used and smoothness desired. Do not apply when surface or air temperature is below 50°F (10°C). Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

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 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: Products in this series contain 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. 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.** Note: These warnings encompass the product series. **Prior to use, read and follow product-specific MSDS and label information.**

DS257-1299

SHIPPING

Freight Classification: Paint
Flash Point: Over 200°F (96°C)
Packaging: 2 gallon kit (7.57L) 10 gallon kit (37.95L)
 1 gallon Component A 5 gallons Component A
 1 gallon Component B 5 gallons Component B

Shipping Weight: 2 gallon kit - 23 lbs. (10.4 kg)
 10 gallon kit - 113 lbs. (51.3 kg)

4408-XXXX/4408-9999 (12/99)
 Ad Stock #68622B



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