



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

# TRU-GLAZE® 4418

Waterborne Acrylic Epoxy Coating

Cat. # 4418-XXXX/4418-9999

## PRODUCT DESCRIPTION

**Generic:** Waterborne Acrylic Epoxy

**General Description:** A professional grade, two pack-age, chemically cured, waterborne acrylic epoxy coating combining performance properties of an epoxy and the color and gloss retention of an acrylic. May be used as a non-yellowing, durable high performance architectural coating (HIPAC). Suitable for use over aged conventional alkyd or latex finishes where more durability is desired. Also acceptable for use in exterior areas.

**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.

## SPECIFICATION DATA

**Color:** White, tint bases

**Finish:** 75 units minimum @ 60°

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

**Weight/Gallon (mixed):** 10.1 lbs./gal. (1.20 kg/L)

**VOC (mixed):** 2.03 lbs./gal. (244 g/L)

**Solids By Volume (mixed):** 40% ±1%

**Theoretical Coverage at 1.0 Mil Dry:** 642 sq. ft./gal. (15.8 m<sup>2</sup>/L)

**Practical Coverage:** Apply at 257-321 sq. ft./gal. (6.3-7.9 m<sup>2</sup>/L) on smooth, sealed surfaces. Actual coverage may vary depending on substrate and application method.

**Recommended Film Thickness:** 2.0-2.5 mils (50-63 microns) dry - 5.0-6.3 mils (125-158 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:** 200°F (93°C) in air. May discolor at temperatures over 140°F (60°C).

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

**Flash Point:** None

**Dry Time @ 77°F (25°C) & 50% RH:**

To touch - 1 hour  
To recoat - 8 hours  
Full Cure - 30 days

**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:** 4(base):1(converter)

**Induction:** None

**Pot Life:** 8 hours @ 77°F (25°C)

## FEATURES

**Advantages:**

- Non-Yellowing
- Good gloss and color retention
- Low odor
- Low VOC
- Scrub resistant
- Stain resistant
- Interior/exterior

**Limitations of Use:** Not recommended for immersion service, floors or areas subject to constant high levels of moisture or direct application to new masonry surfaces.

## PERFORMANCE DATA

PROPERTY	TEST METHOD	RESULTS
Abrasion Resistance	ASTM D 4060, CS-17 wheels, 1000g load, 1000 cycles	150mg loss
Pencil Hardness	ASTM D 3363	2B
Chemical/Stain Resistance (catsup, ball point pen, cola, lipstick, coffee, aliphatic hydrocarbons, water, dilute mineral and organic acids)	ASTM D 1308	Excellent resistance

DANGER! FLAMMABLE. HARMFUL OR FATAL IF SWALLOWED. Read label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF3-0696



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## 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 pre-cast 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 concrete with waterborne primer GRIPPER 3210 or DEVFLEX™ 4020. Fill block with latex filler BLOXFIL® 4000 or ULTRA-HIDE 3010, then prime with waterborne primer GRIPPER 3210 or DEVFLEX 4020. Fillers must dry overnight before coating. **Drywall** - Prime with waterborne primer

**GRIPPER 3210. Wood** - Prime with waterborne primer GRIPPER 3210. **Steel** - Prime with TRU-GLAZE-WB™ waterborne epoxy primer 4030. **Galvanized Metal and Aluminum** - Prime with TRU-GLAZE-WB 4030 waterborne epoxy primer. **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 4418-XXXX Component A base with ICI Colorants. White is tintable up to 2 ozs./gal.

**Mixing:** Slowly add 4418-9999 Component B to 4418-XXXX Component A in a 1:4 ratio. Stir thoroughly and scrape sides of can to ensure thorough blending. Mixed material is usable for eight hours at 77°F (25°C), less at higher temperatures. If it thickens, discard and mix fresh material. Do not add flow-control materials.

**Spreading Rate:** Apply at 257-321 sq. ft./gal. (6.3-7.9 m<sup>2</sup>/L) or 5.0-6.3 mils wet (2.0-2.5 mils dry) on smooth, sealed surfaces. Actual coverage may vary depending on substrate and application method. 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. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding. No thinning required. For airless spray, use a .015-.019" tip. Adjust pressure as needed. Spray is preferred for appearance and build. For roller application, use clean short nap roller (new rollers must be free of loose fibers). Brushing is best reserved for small areas of "cutting in". For maximum gloss development, two finish 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).

**Drying Time:** At 77°F (25°C) and 50% R.H., dries to touch in one hour and to recoat in 8 hours. Full cure in 30 days. Low temperature, high humidity, thick films or poor ventilation will increase these times.

**Clean-up:** Clean immediately with warm, soapy water.

## PRECAUTIONS

**DANGER! FLAMMABLE LIQUID AND VAPOR. 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 EYE, SKIN AND RESPIRATORY TRACT IRRITATION. OVEREXPOSURE MAY CAUSE KIDNEY DAMAGE. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. 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. Keep away from heat, sparks and flame. **Do not smoke.** Vapors may ignite. Extinguish all flames, burners, stoves, heaters and pilot lights and disconnect all electrical motors and appliances before use and until all vapors are gone. 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.** **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.**

DS198-1198

## SHIPPING

**Freight Classification:** Paint  
**Flash Point:** None  
**Packaging:** 1 gallon kit (3.785L) 5 gallon kit (18.925L)  
 1 gallon Component A 4 gallons Component A  
 1 quart Comp. B or C 1 gallon Component B

**Shipping Weight:** 1 gallon kit - 12 lbs. (5.4 kg)  
 5 gallon kit - 57 lbs. (25.9 kg)

4418-XXXX/4418-9999 (12/99)  
 Ad Stock #68623B



Cleveland,  
 Ohio, U.S.A.  
 800-654-2616  
[www.devcocoatings.com](http://www.devcocoatings.com)

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