

PRODUCT DESCRIPTION

Generic: Alkyd

General Description: A premium quality alkyd gloss enamel for use on machinery, equipment, piping and tank exteriors. Toughness and fast dry provide maintenance with minimum plant interruption. Free of mercury, lead and chromate hazards.

Typical Uses: Ideal for safety equipment and pipe identification. Provides excellent protection to metal surfaces as well as masonry, wood and wallboard. Also used as a trim enamel.

SPECIFICATION DATA

Color: White, custom & ready-mix colors

Finish: Gloss, 85 units minimum @ 60°

Clean-up Solvent: Mineral Spirits or VM&P Naphtha

Weight/Gallon: 9.3 lbs./gal. (1.11 kg/L) - varies with color

VOC: 3.57 lbs./gal. (428 g/L) - varies with color

Solids By Volume: 45% ± 2% - varies with color

Theoretical Coverage at 1.0 Mil Dry: 722 sq. ft./gal. (18 m²/L)

Practical Coverage: Apply at 282-353 sq. ft./gal. (8-9 m²/L).

Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness: 2.0-2.5 mils (50-63 microns) dry - 4.5-5.5 mils (113-138 microns) wet

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

Dry Time (ASTM D 1640) @ 77°F (25°C) & 50% RH:

To touch - 1 hour

To handle - 4-6 hours

To recoat - Overnight

Ventilation, film thickness, humidity, thinning and other factors can influence the rate of dry.

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

Shelf Life: Over 12 months at 77°F (25°C) – unopened

FEATURES

Advantages:

- Durable high gloss finish
- Interior or exterior usage
- Protects against atmospheric corrosion
- Excellent flow and leveling
- High hiding
- Washable and scrubable
- Good abrasion resistance
- Easy application - brush, roll or spray
- Excellent resistance to grease, oil and water
- Performance alternate for Federal Specifications TT-E-489H, TT-P-61E, TT-E-506K, and TT-E-505A

PERFORMANCE DATA

PROPERTY	TEST METHOD	RESULTS
Abrasion Resistance	ASTM D 4060, CS-10 wheels, 500g load, 1000 cycles	40mg loss
Pencil Hardness	ASTM D 3363	2B - B
Flexibility	ASTM D 522, Method B, 1/8"	No cracking or flaking
	ASTM D 522, Method A	15.5%
Salt Spray (Fog) Resistance	ASTM B 117, 500 hours	1/16" rust creep at scribe
Service Temperature Limit:		200°F (93°C) in air
Flame Spread Rating:	ASTM E 84	Class A (0-25) over non-combustible surfaces

DANGER! COMBUSTIBLE. HARMFUL OR FATAL IF SWALLOWED. Read label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF2-0790

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: Steel - Prime with DEVGUARD™ 4160 or 4360 primers.

Galvanized Metal and Aluminum - Prime with DEVGUARD 4160 or 4360 primers.

Wood - Interior, prime with PREP & PRIME® 1120 primer. Exterior, spot prime knots with PREP & PRIME HYDROSEALER® 6001 primer. Prime entire surface with PREP & PRIME 2110 alkyd primer. **Drywall** - Prime with PREP & PRIME GRIPPER® 3210 primer sealer. **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 abrasive blasting. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Interior - prime with PREP & PRIME GRIPPER 3210 primer sealer. Exterior - prime with PREP & PRIME HYDROSEALER 6001 primer. Fill block with BLOXFIL® 4000 or PREP & PRIME 3010 fillers.

Previously Painted Surfaces: Wash to remove contaminants. Rinse thoroughly

with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk exterior areas and overhead areas such as eaves with soap and water. All existing mildew must be removed by washing with a solution of 16 oz. (473 ml) liquid household bleach and two oz. (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours. Prime bare areas with primer specified under **New Surfaces**. Prime severely weathered exterior surfaces with PREP & PRIME 2110 alkyd primer. Surfaces in good condition generally may be done with one coat.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

DIRECTIONS FOR USE

Tinting: Tint the appropriate base with ICI Paints Colorants. For improved hiding and deeper colors, tint the Neutral Base with Industrial Colorants.

Spreading Rate: Apply at 282-353 sq. ft./gal. (8-9 m²/L) or 4.5-5.5 mils wet (2.0-2.5 mils dry). 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.

Important: Alkyd or oil-based enamels may yellow in time in the absence of light, especially sunlight.

Application: Mix thoroughly before use. May be applied by brush, roll or spray. No thinning required. For airless spray use a .013" tip. Adjust pressure as needed. Do

not apply in damp weather or when surface or air temperature is below 40°F (4°C). Two coats will provide best durability and uniformity. 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. Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

Drying Time (ASTM D 1640): At 77°F (25°C) and 50% R.H., dries to touch in one hour, to handle in four to six hours, and to recoat overnight. Low temperature, high humidity, thick films or poor ventilation will increase these times.

Clean-up: Clean immediately with Mineral Spirits or VM&P Naphtha.

PRECAUTIONS

DANGER! COMBUSTIBLE 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 LIVER, KIDNEY DAMAGE. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. 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. **Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information.** 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. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. If sanding, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. 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:** For skin contact, wash thoroughly with soap and water. If any product remains, gently rub with petroleum jelly, vegetable or mineral/baby oil then wash again with soap and water. Repeat as needed. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes. **Get medical attention.** If swallowed, **get medical attention immediately.** If inhalation causes discomfort, remove to fresh air. If discomfort persists or breathing difficulty occurs, get medical attention. **KEEP FROM FREEZING.**

DS45-0806

SHIPPING

Flash Point: 105°F (41°C)
Packaging: 1 gallon (3.785L)
5 gallon (18.925L)

Shipping Weight: 4 gallon case - 44 lbs. (20.0 kg)
5 gallon pail - 54 lbs. (24.5 kg)

4308 (05/07)
Ad Stock #68616C



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