

PRODUCT DESCRIPTION

Generic: Alkyd

General Description: A quick dry, corrosion resistant gloss enamel specially formulated for finishing metal products. Free of mercury, lead and chromate hazards.

Typical Uses: Ideal for safety equipment and pipe identification. Also suitable for use a fast dry coating for general plant maintenance.

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: 9.1 lbs./gal. (1.09 kg/L) - varies with color

VOC: 3.50 lbs./gal. (420 g/L) Max. - varies with color

Solids By Volume: 49% ± 2% - varies with color

Theoretical Coverage at 1.0 Mil Dry: 786 sq. ft./gal. (19 m²/L)

Practical Coverage: Apply at 300-400 sq. ft./gal. (7-10 m²/L) for spray and 520 sq. ft./gal. (13 m²/L) for dipping. Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness: 1.6-2.0 mils (40-50 microns) dry - 3.2-4.0 mils (80-100 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.

Air Dry Time @ 77°F (25°C) & 50% RH:

To touch - 30 minutes

To stack or pack - 60-90 minutes

To recoat - Within 3 hours or after 18 hours AFTER scuff sanding.

Full Cure - 48 hours

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: 1 year minimum - unopened

FEATURES

Advantages:

- Durable high gloss finish
- Protects against corrosion
- Fast dry

Limitations of Use: Not recommended for exterior use.

PERFORMANCE DATA

PROPERTY

TEST METHOD

RESULTS

Adhesion

ASTM D 3359

Excellent: 5A
No peeling or removal
Good: > 10 in. - lbs.
Good

Direct Impact Resistance

ASTM D 2794

Abrasion Resistance

ASTM D 4060

Service Temperature Limit:

200°F (93°C) in air

Flame Spread Rating:

ASTM E 84

Class A (0-25) over non-combustible surfaces

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 SPEEDENAMEL 4110 metal primers. **Galvanized Metal and Aluminum** - Prime with DEVGUARD 4160 or DEVGUARD 4120 metal primers.

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

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 Industrial Colorants. Do not use water based colorants.

Spreading Rate: Apply at 300-400 sq. ft./gal. (7-10 m²/L) or 3.2-4.0 mils wet (1.6-2.0 mils dry) for spray and 520 sq. ft./gal. (13 m²/L) for dipping. 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: This type of enamel may yellow in time in the absence of light, especially sunlight.

Application: May be applied by spray (airless or conventional) or dipping. Use brush application for touch-up only. Roller application is not recommended. Do not thin. **Spray Application** - Apply a mist coat followed by a full wet coat.

Dipping - During application, agitate or recirculate the enamel to maintain a uniform viscosity throughout the tank. Do not apply when surface or air temperature is below 40°F (4°C). Provide good ventilation and warmth for normal drying.

Drying Time: At 77°F (25°C) and 50% R.H., **Air Dry** - Dries to touch in 30 minutes and to stack or pack in 60-90 minutes, and to recoat in two hours. Recoat before three hours or after 18 hours after scuff sanding. Full cure in 48 hours. **Baking (conventional or infrared ovens)** - Allow three to five minutes for solvent flash-off, then bake five to ten minutes at 250°F (121°C). Low temperature, high humidity, thick films or poor ventilation will increase these times.

Clean-up: Clean immediately with VM&P Naphtha or mineral spirits.

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. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. OVEREXPOSURE MAY CAUSE CARDIAC, BLOOD, LIVER, KIDNEY DAMAGE. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series may 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 is done, 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:** In case of skin contact, wash **thoroughly** with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. 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.**

DS29-1003

SHIPPING

Flash Point: 54°F (12°C)
Packaging: 1 gallon (3.785L)
5 gallons (18.925L)

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

4318-XXXX (05/06)
Ad Stock #68617D



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