

PRODUCT DESCRIPTION

Generic: Waterborne Epoxy Polyamide

General Description: A high performance, two-package, chemically-cured, waterborne epoxy rust inhibitive primer for interior or exterior steel, aluminum and certain galvanized metal surfaces. Also used over concrete, masonry, glazed brick or ceramic tile. Features excellent adhesion, corrosion resistance, and good resistance to splash, spillage or fumes of a wide range of chemicals. May be topcoated with epoxy, urethane, alkyd, or latex coatings. Light gray color permits good coverage with first finish coat.

SPECIFICATION DATA

Color: Light Gray

Finish: Flat

Clean-up Solvent: Soap and water

Weight/Gallon (mixed): 11.4 lbs./gal. (1.37 kg/L)

VOC (mixed): 1.61 lbs./gal. (193 g/L)

Solids By Volume (mixed): 47% ± 2%

Theoretical Coverage at 1.0 Mil Dry: 754 sq. ft./gal. (19 m²/L)

Practical Coverage: Apply at 200-270 sq. ft./gal. (5.0- 6.0 m²/L) on steel. Apply at 270-400 sq. ft./gal. (6.0-10.0 m²/L) on other surfaces. Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness: 2.0-4.0 mils (50-100 microns) dry - 4.0-8.0 mils (100-200 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 - 2 hours

To recoat - Overnight up to one week

Full cure - 5 days

Substrate

Temperature	77°F (25°C)
Minimum Recoat	16 Hours
Dry Hard	24 Hours
Maximum Recoat	
Self, 4508H, DEVTHANE	7 Days
4308, 4328, 4348	7 Days
TRU-GLAZE-WB, DEVFLEX	7 Days

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: 1 year minimum - unopened

Mix Ratio By Volume: 4 (base): 1 (converter)

Induction: 30 minutes @ 60°-80°F (16°-27°C)

Pot Life: 8 hours @ 60°-80°F (16°-27°C)

FEATURES

Advantages:

- Excellent adhesion
- Excellent corrosion resistance
- Lead free pigmentation
- Light gray color permits good finish coat hiding
- Excellent recoatability with all types of finishes
- Low odor and a high flash point
- Low VOC
- Performance alternate for Federal Specification MIL-P-23377F (TYPE 1, CLASS 3)

PERFORMANCE DATA

PROPERTY

Adhesion
Pencil Hardness
Flexibility
Humidity Resistance
Service Temperature Limit:
Flame Spread Rating:

TEST METHOD

ASTM D 4541
ASTM D 3363
ASTM D 522, Method B, 1/8"
ASTM D 4585, 700 hours
ASTM E 84

RESULTS

800 psi
2B
No cracking or flaking
No cracking, rusting or delamination of the film
250°F (121°C) in air
Class A (0-25) over noncombustible 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- Best results are obtained over a surface abrasive blasted to a Commercial Blast (SSPC-SP6 or ISO-Sa2). Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning. Prime with this product. If rust staining occurs, apply a second coat of this product. **Aluminum-** Prime with this product.

Galvanized Metal -Prime with this product (must be test patched for adhesion prior to use due to the high variability of surface treatments). **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 sweeping. Follow acid manufacturer's application and safety instructions. Rinse thoroughly with water and allow to dry. Remove loose aggregate. Prime with this product.

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**.

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: Do not tint.

Mixing: Slowly add 4030-9999 Component B to 4030-6130 Component A in a 1:4 ratio. Stir until thoroughly mixed. Allow 30 minutes at 60°-80°F (16°-27°C) reaction time. Stir again before using. Mixed life at 60°-80°F (16°-27°C) is eight hours. Higher or lower temperatures will vary the mixed life. When the mix thickens, do not thin; 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. Avoid storing or placing containers in direct sunlight.

Spreading Rate: Apply at 200-270 sq. ft./gal. (5.0-6.0 m²/L) or 6.0-8.0 mils wet (3.0-4.0 mils dry) on steel. Apply at 270-400 sq. ft./gal. (6.0-10.0 m²/L) or 4.0-6.0 mils wet (2.0-3.0 mils dry) on other surfaces. Actual coverage may vary depending on substrate and application method.

Application: May be applied by brush, roll or spray. No thinning required. For airless spray, use a .019" tip. Adjust pres- sure as needed. Spray is preferred for appearance and build. Use clean short nap synthetic roller (new rollers must be free of loose fibers). Brushing is best reserved for small areas of "cutting in". In most cases one coat is sufficient, although two coats may be required on steel to obtain proper dry film thickness depending on the application method. 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 (ASTM D 1640): At 77°F (25°C) and 50% R.H., dries to touch in two hours and to recoat overnight up to one week. Full cure in five days. Low temperature, high humidity, thick films or poor ventilation will increase these times.

PRECAUTIONS

DANGER! COMBUSTIBLE LIQUID AND VAPOR. 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 CARDIAC, BLOOD, LIVER, KIDNEY DAMAGE. CONTAINS CRYSTALLINE SILICA WHICH CAN CAUSE LUNG CANCER AND OTHER LUNG DAMAGE IF INHALED. CONTAINS MICA WHICH MAY CAUSE PNEUMOCONIOSIS. 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 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.**

DS35-1003

SHIPPING

Flash Point: Over 200°F (93°C)
Packaging: 1 gallon kit (3.785L) 5 gallon kit (18.925L)
 0.80 gallon Component A 4 gallons Component A
 0.20 gallon Component B 1 gallon Component B

Shipping Weight: 1 gallon kit - 12 lbs. (5.4 kg)
 5 gallon kit - 56 lbs. (25.4 kg)

4030 (05/07)
 Ad Stock #68603C



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