



Concrete Coatings Polyurethane Floor Enamel 3118-XXXX

Previously ICI Paints GROUNDWORKS™ Interior/Exterior
Solvent-Based Porch & Floor Gloss Enamel

DESCRIPTION

A polyurethane gloss enamel for use on above grade wood and concrete porches & floors. May also be used on other properly prepared horizontal masonry, wood and metal surfaces. Ideal for stairs, porches and boat decks. Features excellent resistance to abrasion, oils and washing. Not recommended for use on below grade concrete floors laid directly on damp or water-bearing surfaces. Not recommended for use on garage floors, as the product may not adhere satisfactorily to the tire lane areas. Exterior wooden decks should not be coated with a conventional paint or varnish of any kind. They should be coated with semi-transparent stains or clear sealers designed for that purpose. Not for use in highly alkaline or chemical areas. washes, commercial kitchens, indoor swimming pool areas or below grade basement walls.

CERTIFICATIONS

AS OF 7/1/2009, COMPLIES WITH	
MPI#	48
LEED	No
CHPS	No
GREENGUARD	No
AIM	Yes
OTC/LADCO	No
CARB	No
SCAQMD	No

PERFORMANCE DATA

CHARACTERISTIC:	RESULTS:
Adhesion*	★★★★★★☆☆
Moisture Resistance*	★★★★★★☆☆
Abrasion Resistance*	★★★★★★☆☆
Air and Substrate Application Temperature	40° F (4° C) - 90° F (32° C)
Service Temperature Limits	200° F (93° C)
Storage Temperature	40° F (4° C) - 95° F (35° C)

*Performance ratings are based on product comparisons to other products in that sheen range, performed at 77° F (25° C) 50% RH. Rating scale is from 1-10, 10 being the highest rating.

COMPOSITION

- Polyurethane Resin
- Titanium Dioxide and Extender Pigments
- Not manufactured with lead or mercury containing materials.

SPECIFICATION

Color:

White & custom colors

Clean-up Solvent:

Mineral Spirits

Finish: Gloss

Gloss: 70 units minimum @ 60°

Density:

10.46 lbs/gal (1.26 kg/L)

Solids:

Volume - 52% +/- 1%

Weight - 70% +/- 1%

VOC:

380 g/L (3.17 lbs/gal) maximum

Refer to MSDS for regulatory VOC content of complete product line

Theoretical Coverage @ 1 mil dry:

840 sq ft/gal (21 m²/L)

Practical Coverage:

Apply at 400-500 sq ft/gal (10-12 m²/L). Actual coverage may vary depending on substrate and application method.

Recommended Film Thickness:

3.2 - 4.0 mils wet

1.7 - 2.1 mils dry

Airless Spray Application:

Pressure - 2000 psi

Tip - .015" - .019"

Dry Time 77°F (25°C) & 50% RH:

To touch - 4-6 Hours

To light foot traffic & recoat - 24 hours

Flame Spread Rating:

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

Flash Point:

105° F (41° C)

Shelf Life:

1 year minimum - unopened



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9 FINISHES
PAINTING (09900)

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



SURFACE PREPARATION

GENERAL SURFACE PREPARATION:

All surfaces must be sound, dry, clean and free of oil, grease, dirt, rust, mildew, form release agents, curing compounds, loose and flaking paint and other foreign substances.

NEW SURFACES:

Concrete (concrete floors) and Masonry:

- Do not use on floors subject to hydrostatic pressure
- Cure at least 30 days before painting
- pH must be 10.0 or lower
- Roughen slick poured or precast concrete and remove sealers by chemical cleaning or abrasive method such as sandsweeping
- Rinse thoroughly with water and allow to dry
- Must be internally dry
- Remove loose aggregate
- Prime with this product

Wood:

- Sand smooth
- Remove sanding dust
- Prime with this product

Steel:

- Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning
- Prime with DEVGUARD® 4360 Low VOC Universal Primer or DEVGUARD 4160 Multi-Purpose Tank & Structural Primer

Galvanized Metal and Aluminum:

- Clean off oils and other contaminants
- Prime with DEVGUARD 4360 Low VOC Universal Primer or DEVGUARD 4160 Multi-Purpose Tank & Structural Primer

PREVIOUSLY PAINTED SURFACES:

- Wash to remove contaminants
- Rinse thoroughly with water and allow to dry
- Remove mildew 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 thoroughly with water and let dry for 24 hours before staining
- Dull glossy areas by light sanding
- Remove sanding dust
- Remove loose paint
- Treat bare areas as under **NEW SURFACES**
- Product may not be suitable for use over some finishes such as polyurethane or epoxy coatings.
- Apply a test area over these finishes and check for adhesion after 48 hours

NOTE: Blistering and peeling of exterior paints down to bare substrate is usually caused by moisture behind the paint film. Moisture pressure forces the paint away from the surface. Sources of excess moisture in the substrate must be eliminated prior to repainting to obtain normal service life of these paints. Old unsound multiple coat paint systems may be subject to peeling when repainted due to the added weight and stress created within the paint layers. In such cases, all old paint layers must be removed back to the bare substrate before repainting.

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 an 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 DRAMATONE™ colorants.

SPREADING RATE:

Apply at 400-500 sq ft/gal (10-12 m²/L). Actual coverage may vary depending on substrate and application method.

APPLICATION:

Mix thoroughly before use. May be applied by brush, roller or airless spray. Do not thin. For airless spray application, use a .015"-.019" tip at 2000 psi, adjust pressure as needed. Two coats are suggested for best results. Do not apply when the surface or air temperature is below 40°F (4°C) or if rain, snow or heavy dew is expected within 48 hours. **CAUTION: Surfaces coated with this product may become slippery when wet. For additional slip resistance in areas of pedestrian traffic, add 3001 Concrete Coatings Slip Resistant Additive at 0.18 lbs (2.9 oz) per gallon or 0.88 lbs (14 oz) per five gallons of product.**

DRYING TIME:

At 77°F (25°C) and 50% R.H., dries to touch in four to six hours, to light foot traffic and recoat in 24 hours. Low temperature, high humidity, thick films or poor ventilation will increase these times.

CLEAN-UP:

Clean tools immediately with mineral spirits. Clean spills right away with a damp cloth.

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. 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.** DS55-0306

SHIPPING

FREIGHT CLASSIFICATION:

Paint, 3, UN1263, PGIII

PACKAGING:

1 gallon (3.785 L)
5 gallons (18.925 L)

FLASH POINT:

105° F



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