



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

DEVVRAN 203

Waterborne Epoxy Primer

Cat. # 203B2735/203C0910

PRODUCT DESCRIPTION

Generic: Waterborne Epoxy

General Description: A high performance, two-pack-age, 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.

Special Qualifications: Suitable for use on structural surfaces or surfaces where there is a possibility of incidental food contact in commercial food preparation establishments, food processing plants and federally inspected meat and poultry plants. USDA no longer requires or furnishes product certification letters.

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
- Easy application by brush, roller or spray
- Fast dry

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): 0.89 lbs./gal. (107 g/L)

Solids By Volume (mixed): 45% ± 1%

Theoretical Coverage at 1.0 Mil Dry: 719 sq.ft./gal. (18 m²/L)

Recommended Film Thickness: 3.0-4.0 mils (75-100 microns) dry - 6.0-8.0 mils (100-200 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: 250°F (121°C) in air

Flash Point: Over 200°F (93°C)

Dry Time @ 77°F (25°C) & 50% RH:

Substrate Temperature	77°F (25°C)
Minimum Recoat	4 Hours
Dry Hard	8 Hours
Maximum Recoat	
Self, 4508, Devthane	14 Days
4308, 4328, 4348	14 Days
Tru-Glaze-WB, Devflex	14 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

Hardness (ASTM D 3363, 7 day cure @77°F (25°C): B

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

Induction: None

Pot Life: 3 hours @ 77°F (25°C)

PERFORMANCE DATA

PROPERTY

Abrasion Resistance
Adhesion
Humidity Resistance
Elongation
Impact Resistance
Salt Spray Resistance

TEST METHOD

ASTM D 4060
ASTM D 4541
ASTM D 2247
ASTM D 522
ASTM D 2794
ASTM B 117

RESULTS

Good
Excellent
Excellent
Good
Very Good
Very Good

TEMPORARY DATA SHEET



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FINISHES
SPECIAL COATINGS (9800)

09800

FINISHES
SPECIAL COATINGS (9800)

ICI DEVOE COATINGS
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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: Steel - Best results are obtained over a surface sandblasted to a Commercial Blast (SSPC-SP6). Performance over hand or powertool 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 and Masonry** - Cure at least 30 days before painting. pH must

be 10.0 or lower. Remove laitance and roughen unusually slick poured or precast concrete by acid etching or sweep blasting. 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**.

DIRECTIONS FOR USE

Tinting: Do not tint.

Mixing: Devran 203 Coating is a two component product. The entire contents of each container must be mixed together. Power mix the base portion first to obtain a smooth, homogeneous condition. After mixing the base portion, add the converter slowly with continued agitation. After the converter add is complete, continue to mix slowly. Always remix before use. Mixed material is usable for 3 hours @ 77°F; if it thickens, do not add water, but discard and mix fresh material. Higher temperatures will reduce working life of the coating.

Spreading Rate: Apply at 179-239 sq. ft./gal. (4.4-5.9 m²/L) or 6.0-8.0 mils wet (3.0-4.0 mils dry). 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 pressure 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: At 77°F (25°C) and 50% R.H., dries to recoat in four hours and dries hard in eight hours. Full cure in five days. Low temperature, high humidity, thick films or poor ventilation will increase these times.

Clean-up: Clean immediately after use with warm, soapy water. Rinse pumps and hoses with T-10 Thinner or xylene after cleaning.

PRECAUTIONS

For industrial use only. Keep out of reach of children. Consult Material Safety Data Sheets appropriate for this product for important health and safety information prior to use.

SHIPPING

Freight Classification: Paint
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)

203B2735/203C0910 (3/02)
 Ad Stock #67033

TEMPORARY DATA SHEET



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