



Devoe Coatings is a member of the ICI Paints World Group

BAR-RUST™ 236

Multi-Purpose Epoxy Coating

Cat. # 236KXXXX

PRODUCT DESCRIPTION

Generic: Advanced Technology Epoxy

General Description: A high performance, multi-purpose, surface tolerant, two-component chemically-cured epoxy semi-gloss coating.

Typical Uses: BAR-RUST 236 is a true universal coating. Excellent for use on water tanks and any other water containment structures offering cargo, chemical, fuel, and solvent resistance. See the Tank Lining Chemical Resistance Table for specific information. Also used on structural steel, equipment, piping, and masonry at pulp and paper mills, chemical and fertilizer plants, sewage treatment plants, tank farms, and on bridges.

Special Qualifications: Performance alternate for Federal Specifications Mil-P-23236B(SH)-Type I & IV, Type I & IV, and Class 2. Also used on grain cargo – North England Ind. Health Ser.

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:

- Low VOC
- Outstanding corrosion protection
- Suitable for salt & fresh water immersion
- Suitable for corrosive environments
- Resistant to many solvents and chemicals
- Resistant to cathodic disbondment
- Lowers cost of surface preparation
- Surface tolerant
- Good adhesion to damp surfaces and tight rust
- Low temperature cure to 0°F (-18°C)
- Fast dry-to-recoat
- Self-priming for steel & masonry substrates

Limitations of Use: Exterior exposure will cause a color change, early dulling, and loss of gloss, but this does not affect protective properties. Epoxy coatings may yellow during application and cure if exposed to the combustion by-products of improperly vented fossil fuel burning heaters. Commonly finished with Devoe Coatings DEVTHANE™ Urethane Enamel for maximum exterior color & gloss retention.

SPECIFICATION DATA

Color: Off White (tintable to light pastel colors only), ready-mixed colors

Finish: Semi-Gloss

Reduction Solvent: T-10 Thinner

Clean-up Solvent: T-10 Thinner

Weight/Gallon: 12.9 lbs./gal. (1.5 kg/L) – varies with color

VOC (EPA 24): 1.41 lbs./gal. (170 g/L) – varies with color

Solids By Volume (ASTM D 2697 – 7 day): 80%

Theoretical Coverage at 1.0 Mil (25 microns) Dry: 1283 sq. ft./gal. (31.5 m²/L)

Recommended Film Thickness: 4.0-8.0 mils (100-200 microns) dry – 5.9-11.7 mils (147-293 microns) wet. (Make allowances for loss due to overspray & irregular surfaces.)

Service Temperature Limits: 250°F (121°C) dry

Minimum Dry Time (ASTM D 1640): At 6 mils (150 microns) DFT

	20°F(-7°C)	40°F(4°C)	60°F(16°C)	80°F(27°C)
To Recoat	28 hours	9 hours	6 hours	4 hours
Dry Hard	>32 hours	17 hours	10 hours	7 hours

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

Shelf Life: Over 24 months at 77°F (25°C) – unopened

Hardness (ASTM D 3363, 7 day cure @ 77°F (25°C): 3H

Mix Ratio By Volume: 4 (base): 1 (converter) – see mixing instructions.

Induction: 15 minutes @ 77°F (25°C) – see mixing instructions.

Pot Life: 4 hours @ 77°F (25°C) & 50% R.H.

PERFORMANCE DATA

Adhesion: (ASTM D 4541) – Excellent

Salt Spray Resistance: (ASTM B 117) – Excellent

Abrasion Resistance: (ASTM D 4060) – Good

Humidity Resistance: (ASTM D 2247) – Excellent

Chemical Resistance: (ASTM D 1308 – 24 hr. contact) Excellent. Resists splash and spillage of alkalis, salts, moisture, oils, greases, foodstuffs and detergents, 50% Sodium Hydroxide, 28% Ammonia, 5% Trisodium Phosphate, 25% Citric Acid, 25% Lactic Acid, 10% Sulfuric Acid, Crude Oil, 10% Hydrochloric Acid, 20% Tannic Acid, 5% Sodium Chloride, 10% Ammonium Hydroxide, sewage.

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