

**HPC/Industrial Maintenance****PITT-GUARD® Rapid-Coat Direct-to-Rust Epoxy Mastic Coatings****Generic Type**

Polyamide-Epoxy Two Component

**Tinting and Base Information**

Use PERFORMACOLOR® Colorants and refer to the PERFORMACOLOR formula book for tinting instructions.

95-2400	Neutral Base
95-2402	Yellow Base
95-2412	White Base
95-242	Inhibitive Red Oxide
95-245	Porcelain White
95-247	Cream
95-248	Medium Gray
95-249	Curing Agent

**General Description**

PITT-GUARD® Rapid Coat Direct-To-Rust Epoxy is intended for interior/exterior use where barrier type protection is required for steel, aluminum, hot dipped galvanized steel and masonry surfaces. Its' excellent wetting properties allow application and good performance over tightly adhering rust. Excellent performance is obtained over abrasive blasted surfaces.

**Recommended Uses**

Aluminum  
Concrete  
Steel  
Hot Dipped Galvanized Steel

**Features / Benefits**

Perfect for a variety of corrosive and non-corrosive environments.  
Barrier coat corrosion protection  
Excellent adhesion to minimally prepared surfaces.  
Virtually infinite color capability with PERFORMACOLOR® system  
No topcoat needed for corrosion protection

**Limitations of Use**

Apply only when air and surface temperatures are above 32°F (0°C) and surface temperature is at least 5°F (3°C) above the dew point and no frost or ice is present on the substrate. Avoid exterior painting late in the day when dew or condensation are likely to form or when rain is threatening. These products may be applied to damp surfaces. When excessive dampness is observed, the surface appears to shine from moisture or there is standing water. Do not apply under these conditions. Hot rolled steel should be prepared by abrasive blast cleaning whenever possible. These products lose gloss and chalk on exterior exposure, however film integrity is not affected. Do not topcoat with alkyd-oil coatings. Not intended for residential use. Not for immersion service.

**Product Data**

**Gloss:** Flat  
**VOC\*:** 2.19 lbs/gal 263.00 g/L  
**Coverage:** 160 to 225 sq ft/gal (15 to 21 sq. m/3.78L)

*Note: Does not include loss due to varying application method, surface porosity, or mixing.*

**DFT:** 5.0 minimum to 7.0 maximum  
**Weight/Gallon\*:** 11.8 lbs. (5.4 kg) +/- 0.3 lbs. (136 g)  
**Volume Solids\*:** 70% +/- 2%  
**Weight Solids\*:** 81.5% +/- 2%  
**Mix Ratio:** 1 to 1 by Volume  
**Clean-up:** 97-725,97-727,97-734 PPG Thinners

Results will vary by color, thinning and other additives.

\*Product data calculated on mixed 95-245

**Drying Time:**

To Touch: 4 hours  
To Handle: 8 hours  
To Recoat: 3 hours  
Dry Time @77°F (25°C); 50% relative humidity

**Pot Life:** 3 hours

**Flash Point:** 95-245 62°F, (16.7°C)  
95-249 80°F, (26.7°C)

Remove all loose paint, mill scale, and rust. The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. Where appropriate bare areas should be primed with a suitable primer.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat.

STEEL: Non-Immersion Service: Minimum surface preparation for ferrous metal substrates is wire brush (SSPC-SP2/3) to remove all loose rust and paint. Service life of coating is in direct proportion to surface preparation.

ALUMINUM: Must be lightly blasted to remove contaminants and provide an anchor pattern prior to coating. If the blasting is not done, the aluminum must be pretreated with Polyclutch® Wash Primer, 97-687/688. Note, the Polyclutch Wash Primer must dry overnight before applying the Pitt-Guard® Rapid-Coat D-T-R.

HOT DIPPED GALVANIZED STEEL: Stabilizers on the surface of the galvanized steel must be removed by either brushing or chemical treatment prior to coating to promote adhesion.

CONCRETE: These surfaces should be either acid etched or brush blasted prior to coating.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 239-HD, 241-HD, 242-HD, 243-HD, 245-HD, 246-HD, 247-HD, 248-HD, 249-HD, 322-HD, 323-HD, 421-HD, 422-HD, 423-HD, 424-HD, 428-HD, 430-HD, 477-HD.

**Recommended Primers**

none Refer to Surface Preparation Recommendations.

**Application Information**

**Recommended Spread Rates:**

Wet Mil : 7.0	minimum to	10.0	maximum
Wet Microns: 178.0	minimum to	254.0	maximum
Dry Mil : 5.0	minimum to	7.0	maximum
Dry Microns: 127.0	minimum to	178.0	maximum

**Application Equipment:** Changes in application equipment, pressures and/or tip sizes may be required depending on ambient temperatures and application conditions.

**Conventional Spray:** Fluid Nozzle: DeVilbiss MBC-510 or JGA gun, with 704 or 777 air cap with E or EX tip and needle, or comparable equipment. Atomization Pressure: 55-70. Fluid Pressure: (Can not specify, dependent on numerous factors)

**Airless Spray:** Pressure 1500 psi ; tip 0.017" - 0.021"

**Brush:** Polyester/Nylon Brush

**Roller:** Short Nap Roller Cover

**Thinning:**

Thinning is not normally required for spray application. Over thinning will result in reduced film build properties.

Conventional Spray: If necessary, up to 12 oz. per gallon with, 97-727 in cool weather or 97-734 in warm weather.

**Directions for Use**

Mix components thoroughly before blending. Add Component "B" to Component "A" and blend well using a mechanical mixer. Air or airless spray preferred. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS available through our website or by calling 1-800-441-9695.

**Permissible temperatures during application:**

Material:	50 to 90°F	10 to 32°C
Ambient:	32 to 100°F	0 to 38°C
Substrate:	32 to 100°F	0 to 38°C

PPGAF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or call 1-800-441-9695

**Packaging:** 1-Gallon (3.78L) 5-Gallon (18.9L)

Not all products are available in all sizes.



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Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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