PPG High Performance Coatings

PITT-GUARD®

95-245 Series

HPC/Industrial Maintenance

PITT-GUARD® Rapid-Coat Direct-to-Rust Epoxy Mastic Coatings

Generic Type

Polyamide-Epoxy Two Component

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
Hot Dipped Galvanized Steel
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.

Tinting and Base Information

Use PERFORMACOLOR® Colorants and refer to the PERFORMACOLOR formula book for tinting instructions. PERFORMACOLOR System HN and HZ tints may cause color variations when used in PITT-GUARD Rapid Coat products. PPG does not recommend adding ANY HN or HZ tints to these products.

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

Product Data

Gloss: Semi-gloss
VOC*: 2.19 lbs/gal 263.00 g/L
Coverage: 160 to 280 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: 4.0 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: maximum 3 hours
Induction Time: 15 minutes recommended.

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

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General Surface Preparation

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. WARNING: Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as properly fitted and approved (e.g., NIOSH-approved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office.

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 and 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: Stablizers 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.

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

Application Information

Recommended Spread Rates:

Wet Mils :	6.0	minimum to	10.0	maximum
Wet Microns:	152.0	minimum to	254.0	maximum
Dry Mils :	4.0	minimum to	7.0	maximum
Dry Microns:	102.0	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 specifiy, 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.

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

Not all products are available in all sizes. All containers are not full-filled.

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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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