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. For Professional Use Only; Not Intended for Household Use. Not for immersion service. Drying times listed may vary depending on temperature, humidity, color and air movement.

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, Component B

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)

General Surface Preparation

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. Prime bare areas with a suitable primer. WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact 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 USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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: Solvent Clean per SSPC-SP1 to remove grease and oils.

CONCRETE, STUCCO, PLASTER, MASONRY other than CMU: Allow all concrete, mortar, plaster, etc. to cure for thirty (30) days under normal drying conditions and have a moisture content of less than 8%. Remove all dirt, dust, grime, loose mortar and all other forms of contamination. Concrete which has been treated with curing compounds or hardeners, should be thoroughly abraded.

CMU: Allow the mortar to cure for thirty (30) days under normal drying conditions.

FERROUS METAL: The minimum surface preparation is Hand Tool or Power Tool Clean per SSPC-SP2 or SP3.

GALVANIZED STEEL: Solvent Clean per SSPC-SP1 to remove grease and oils. If any oxidation (white rust) has formed, sand and remove all forms of contamination. If the galvanized has been passivated or stabilized, the surface must be abraded, i.e., Brush-Off Blast Clean per SSPC-SP7 or chemically treat the surface.

WOOD: Sand lightly in order to remove surface roughness and loose wood fibers. Then remove all dirt, dust, grime and any other forms of contamination. Remove grease and oils by Solvent Cleaning per SSPC-SP1.

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. A 15 minute digestion time is recommended. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. 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 110°F	0 to 43°C
Substrate:	32 to 130°F	0 to 54°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. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

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 97-737 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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