DO NOT USE FOR POTABLE WATER. For Professional Use Only; Not Intended for Household Use. While this product will lose gloss and chalk on exterior exposure, film integrity is not adversely affected. Do not attempt to apply enough material with a single spray pass to deliver the required 6-7 mils dry per coat. Do not apply over surfaces with dew or moisture condensation on them, or when the relative humidity and ambient air temperatures are near the dew point, which might cause moisture to form. Drying times listed may vary depending on temperature, humidity, color and air movement.

**HPC/Industrial Maintenance**

**COAL CAT® Resinous Cured Coal Tar Epoxy Coating**

<table>
<thead>
<tr>
<th>Generic Type</th>
<th>Tinting and Base Information</th>
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<tbody>
<tr>
<td>Two component, polyamide-cure type</td>
<td>Do Not Tint</td>
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**General Description**

Intended for heavy industrial coating systems for immersion and environmental resistance to: fresh and salt water, many organic and inorganic acids, inorganic bases and salts, crude oils, petroleum and petro-chemical products, oil brines, sewage water, hydrogen sulfide liquors and fumes.

**Recommended Uses**

Concrete
Galvanized Metal
Metal

**Features / Benefits**

Excellent resistance to alkalines, salts, oxidizing agents and most acid dilutions
Recommended for immersion service
Perfect for tanks, pipes and structural steel in heavy industrial areas
Can earn LEED NC Version 2.2 Credits

**Limitations of Use**

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**Product Data**

Gloss: High Gloss initially
VOC*: 1.95 lbs/gal  235.00 g/L
Coverage: 165 to 193 sq ft/gal (15 to 18 sq. m/3.78L)

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

DFT: 6.0 minimum to 7.0 maximum
Weight/Gallon*: 10.0 lbs. (4.5 kg) +/- 0.3 lbs. (136 g)
Volume Solids*: 72.2% +/- 2%
Weight Solids*: 80.5% +/- 2%
Mix Ratio: 4 parts Comp. A to 1 part Comp. B
Clean-up: PPG 97-725 Epoxy Thinner

Results will vary by color, thinning and other additives.

Product data calculated on mixed product

**Drying Time:**

To Touch: 2 hours
To Handle: 6 hours
To Recoat: 16 hours

Dry Time @ 77°F (25°C); 50% relative humidity

**Pot Life:**

9 hours

**Induction Time:**

30 minutes

**In Service Temperature:**

Dry Heat (F): 325°  Dry Heat (C): 162°
Wet Heat (F): 180°  Wet Heat (C): 82°

**Flash Point:**

97-640  90°F, (33° C)
97-641  65°F, (18°C)
**HPC/Industrial Maintenance**

**COAL CAT® Resinous Cured Coal Tar Epoxy Coating**

### 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. **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.

**NON-IMMERSION SERVICE:** The minimum surface preparation for substrates is SSPC-SP6 Commercial Blast cleaning, NACE Number 3. Service life of coating is in direct proportion to surface preparation.

**IMMERSION SERVICE:** Near White Metal Blast SSPC-SP10, NACE Number 2, is mandatory. The surface to be coated must be clean, dry, and well prepared to receive the coating.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 1-HD, 3-HD. For specific recommendations, see your Pittsburgh Paints dealer or call 1-800-441-9695.

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**Recommended Primers**

- **none**
  - Self priming on properly prepared surfaces.

**Directions for Use**

The 97-640 should be thoroughly agitated with a mechanical mixer before and during the time the curing agent, 97-641, is being added. After the two components are thoroughly mixed and blended, allow the material to digest for 30 minutes or longer before use. 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 are available through our website or by calling 1-800-441-9695.

**Permissible temperatures during application:**

- **Material:** 50 to 90°F
- **Ambient:** 50 to 100°F
- **Substrate:** 50 to 100°F

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**Application Information**

**Recommended Spread Rates:**

- **Wet Mils:** 8.3 minimum to 9.7 maximum
- **Wet Microns:** 210.8 minimum to 246.4 maximum
- **Dry Mils:** 6.0 minimum to 7.0 maximum
- **Dry Microns:** 152.4 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 gun, with 704 or 777 air cap with D or E tip and needle, or comparable equipment. Atomization Pressure: 55 - 70 Fluid Pressure: Can not specify, dependent on numerous factors.
- **Airless Spray:** Pressure 3000 psi, tip 0.017" - 0.025"
- **Brush:** High Quality Natural Bristle Brush
- **Roller:** Not Recommended

**Thinning:** Where permitted by local VOC regulations the following thinning recommendations may be used.

- Conventional Spray up to 12 oz. per gallon with 97-725 Thinner
- Airless Spray up to 12 oz. per gallon with 97-725 Thinner
- Brush up to 64 oz. per gallon with 97-725 Thinner
- Roller not applicable

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

**Quart (946 mL)**

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

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PPGAF believes the technical data presented 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 technical information, visit our website or call 1-800-441-9695.

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