



# Product Data Sheet

## Environ™ II Waterborne Enamels - 3800 Series

### Product Description

A high gloss industrial waterborne coating providing fast dry-time, good humidity resistance with resistance to chalking, staining and dirt-pickup.

### Where to Use

For use on equipment, machinery and metal structures

### Product Characteristics

**Color** #3800 - White, #3801 - Black, #3803 - Bright Red, #CC2680 – Clear, and Custom Colors

**Gloss** High Gloss

**Architectural and Industrial Maintenance Category** Nonflat Coatings, Exterior/Interior

<u>Drying Time</u>	<u>Temperature</u>	<u>To Touch</u>	<u>Tack-Free</u>	<u>To Recoat</u>
	75°F / 50% R.H.	1 hour	2.5 Hours	4 hours

(However, very rapid cures can be obtained by force drying or baking the coating. Cooler temperatures and higher humidity will require a longer cure time.)

### Preparation & Priming

**Surface Preparation** Apply only over clean, dry and properly cured surfaces that are free from form release agents, cutting oils, dirt, grease, loose foreign matter and frost. The substrate shall be thoroughly degreased in accordance with SSPC-SP1 standards. All burrs should be removed and sharp edges or rough weld seams should be ground down. All rust and mill scale should be removed as required by SSPC-SP6 surface preparation (minimum).

**Primer Coats** For maximum performance use Anchor #2700 Series Waterborne Acrylic Primers or #B7911 Gray High Solids Alkyd Primer. For deep and accent bases, a primer is required to achieve maximum durability, adhesion and corrosion properties. However, some situations may allow for this product to act as a direct-to-metal coating. Consult your Anchor representative for specific job recommendations.

### Mixing & Application

**Mixing** Stir thoroughly, making sure no pigment remains on the bottom of the can.

**Thinning** Thin with water only if necessary

**Surface Temperature** Minimum 50°F, Maximum 90°F - The surface should be dry and the relative humidity should be less than 85%.

**Recommended Thickness** 1.6-2.0 mils dry per coat, two coats recommended

**Theoretical Coverage** 572 ft<sup>2</sup>/gallon at 1 mil dry, assuming no application losses. Coverage will vary depending on color, the surface texture and application technique.

<u>Coverage Rates per Coat</u>	<u>Dry Mils</u>	<u>Wet Mils</u>	<u>Ft<sup>2</sup>/gal</u>
<u>Suggested</u>	1.8	5.0	318
<u>Minimum</u>	1.6	4.5	358
<u>Maximum</u>	2.0	5.6	286

<u>Application Equipment</u>	<u>Airless Spray</u>	<u>Conventional Spray</u>
	Pressure	Air Pressure
	1800-2400 psi	60-80 psi
	Tip	Fluid Pressure
	0.015"-0.017"	10-20 psi

**Application Considerations** Spray recommended. Do not apply when overnight freeze, rain or dew is forecast. NOTE: During conditions of high humidity or moist air, allow for a much longer cure time. Warm air, moving over the substrate, will promote drying and improve cure time when less than optimum application conditions exist. On a derusted surface the application of a dry film thickness of at least 2 mils is recommended.

**Clean-up & Storage**

<u>Cleanup</u>	Use soap and water.		
<u>Storage Temperature</u>	Minimum 35°F	Maximum 110°F	DO NOT ALLOW MATERIAL TO FREEZE!
<u>Shelf Life</u>	Under Normal Conditions (Unopened) – Two Years		

**Safety & Important Information**

WARNING! VAPOR HARMFUL. CONTAINS: DIPROPYLENE GLYCOL N-BUTYL ETHER. Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. Causes eye irritation. Harmful if swallowed. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Keep away from heat and flame. Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation. **Use only with adequate ventilation.** Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes. Wash thoroughly after handling. **KEEP OUT OF REACH OF CHILDREN.**

WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator 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 National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead). WARNING! Sanding or scraping pressure treated lumber may be hazardous; wear appropriate protection.

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**LIMITED WARRANTY:** The technical data on this label or on other data is true and accurate to the best of our knowledge. We guarantee our products to conform to ANCHOR PAINT MFG. CO. quality control standards. Due to misuse in handling, storage, application and workmanship or variables such as weather or surface integrity that are beyond our control, Anchor Paint does not authorize any representative to make any warranty or merchantability of fitness of this product. Any liability whatsoever of Anchor Paint Mfg. Co. to the buyer or user of this product is limited to the purchaser's cost of the product itself.



# Technical Information Sheet

## Environ™ II Waterborne Enamels - 3800 Series

### Product Description

- General Description A high gloss industrial waterborne coating providing fast dry-time, good humidity resistance with resistance to chalking, staining and dirt-pickup.
- Common Usage Environ™ II waterborne enamels are designed for equipment, machinery and metal structures.
- Color #3800 - White, #3801 - Black, #3803 - Bright Red, #CC2680 – Clear and Custom Colors
- Finish High Gloss

### Technical Information

- Solids by Volume 35.68% – Varies by Color
- Recommended Thickness 1.6-2.0 mils dry per coat, two coats recommended
- Drying Time
- | Temperature     | To Touch | Tack-Free | To Recoat |
|-----------------|----------|-----------|-----------|
| 75°F / 50% R.H. | 1 hour   | 2.5 Hours | 4 hours   |
- (However, very rapid cures can be obtained by force drying or baking the coating. Cooler temperatures and higher humidity will require a longer cure time.)
- Architectural and Industrial Maintenance Category Nonflat Coatings, Exterior/Interior
- AIM Category VOC Limit 3.2 lb/gal (380 g/l)
- Coating VOC 1.53 lb/gal (183 g/l) – Minus Water and Exempt Materials – Varies by Color
- Material VOC 0.69 lb/gal (83 g/l) – Varies by Color
- Density 10.01 lb/gal (1199 g/l) – Varies by Color
- Theoretical Coverage 572 ft<sup>2</sup>/gallon at 1 mil dry, assuming no application losses. Coverage will vary depending on color, the surface texture and application technique.
- Packaging 55 gallon drums, 5 gallon pails and 1 gallon cans.
- Storage Temperature Minimum 35°F                      Maximum 110°F                      DO NOT ALLOW MATERIAL TO FREEZE!
- Heat Resistance 120-150°F Continuous
- Safety Information Refer to the Product Data Sheet or Material Safety Data Sheet for safety information.

### Performance Data

Testing Data	Test Name	System Tested	Test Method	Results
	Salt Fog Resistance	1 Coat 2700 Primer, 1 Coat 3800 Topcoat	ASTM B117	500 Hours
	Salt Fog Resistance	1 Coat 3800	ASTM B117	350 Hours

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