



**PFI, INC.**  
PAINTS FOR INDUSTRY

# DURA-SEAL™ POLYURETHANE ENAMEL EXTREME HIGH GLOSS

Extreme performance, two component polyurethane enamel formulated for moderate to heavy industrial environments. Combines state-of-the-art corrosion protection with excellent gloss retention, durability, and chemical resistance.

- ✓ Military grade
- ✓ Meets Military Standard MIL-C-85285B
- ✓ Two component
- ✓ Outstanding chemical, weather, and abrasion resistance
- ✓ Protects against industrial fumes, oil, and grease
- ✓ Long term color and gloss retention
  - ✓ Interior / Exterior
- ✓ VOC compliant per SCAQMD

[www.pfiinc.net](http://www.pfiinc.net)

Rev. October 2018

## RECOMMENDED USES

For interior or exterior application to all properly prepared ferrous and non-ferrous metal surfaces, including railings, doors, machinery and equipment, fixtures, pipe and safety markings, utility trailers, racking, and ornamental iron.

## RECOMMENDED SYSTEM

1 coat Metalize® Universal Primer  
1 coat Dura-Seal™ Polyurethane Enamel

## SURFACE PREPARATION

Surface should be clean, dry, and free of all contaminants such as oil, rust, loose paint, mill scale, and any other detrimental matter to ensure proper adhesion. Ultra-Bond® Metal Cleaner is the recommended cleaning solution for all steel surfaces. The use of Ultra-Bond® will significantly improve adhesion on nonferrous metal surfaces such as aluminum and galvanized steel.

SSPC-SP1 Solvent Cleaning or SSPC-SP2 Hand Tool Cleaning is recommended. For best possible performance, use Commercial Blast Cleaning per SSPC-SP6/NACE 3.

**WARNING!** The removal of old paint may release lead dust. Lead is toxic and can cause serious illness and brain damage, especially in children and pregnant women. Before removing old paint, ensure the use of proper protective equipment, including a NIOSH approved respirator. For more information, call the National Lead Information Center at 1-800-424-LEAD.

## CLEAN UP

Equipment, hoses, and spills can be cleaned with **AC-3 Zero VOC Reducer** or acetone.

## TECHNICAL DATA

<b>Vehicle</b>	Polyurethane
<b>Finish</b>	Extreme high gloss (90+ units @ 60°)
<b>Color</b>	Full range available
<b>Volume Solids</b>	53 - 63% <sup>1</sup>
<b>Weight Solids</b>	64 - 76% <sup>1</sup>
<b>Viscosity</b>	50 - 60 #2 Zahn <sup>1</sup>
<b>VOC (Mixed)</b>	Less than 340 g/L (2.8 lbs/gal)
<b>Pot Life</b>	2 hours
<b>Sweat In Time</b>	10 minutes
<b>Mix Ratio</b>	3:1 by volume of paint to catalyst
<b>Shelf Life</b>	2 years unopened
<b>Packaging</b>	1 gallon, 5 gallon, and 55 gallon containers
<b>Coverage</b>	300 - 400 ft <sup>2</sup> / gal (theoretical)
<b>Recommended DFT</b>	2.0 - 3.0 mils
<b>Application</b>	Airless or conventional spray
<b>Drying Time</b>	76°F with 50% relative humidity
To Touch	2 hours
To Handle	5 hours

Note: Drying time is temperature, humidity, and film thickness dependent.

<sup>1</sup> Values may vary by color.

## MIXING INSTRUCTIONS

Mix paint thoroughly under low speed agitation. Ensure no pigments or solid material remain on the bottom of the can. Then combine **3 parts by volume of paint with 1 part by volume of Dura-Seal™ Catalyst**. Mix thoroughly and reduce up to 10% by volume with UR-2 Dura-Seal™ Reducer if needed.

Do not apply material after expiration of the pot life. Do not mix previously catalyzed material with new material.

## APPLICATION

<b>Ambient Temperature</b>	40°F - 120°F
<b>Relative Humidity</b>	85% maximum
<b>Recommended Reducer</b>	<b>UR-2 Dura-Seal™ Reducer</b>
<b>Airless</b>	
Pressure	1,800 PSI
Hose	0.25" ID
Tip	.015" - .017"
Filter	60 mesh
Reduction	Not Recommended
<b>Conventional / HVLP</b>	
Spray Gun	Binks 95 or similar
Fluid Nozzle	63C
Air Nozzle	63PB
Atomization Pressure	40 PSI
Fluid Pressure	15 - 20 PSI
Reduction	As needed up to 10% by vol.
<b>Brush (touch up only)</b>	
Material	Nylon/Polyester

## ADDITIONAL INFORMATION

Coating performance is dependent on adequate surface preparation and proper application. The information contained in this bulletin is correct to the best of our knowledge. The recommendations and suggestions herein are made without guarantee or representation as to the end result, since the conditions of use, including variations in customer handling and methods of application, are not known and beyond our control. Such information is subject to change and pertains only to the product offered for sale at the time of publication. The user is encouraged to test the complete coating system for adhesion and compatibility prior to full-scale production.

## ADDITIONAL INFORMATION (CONTINUED)

**DANGER: CATALYST CONTAINS ISOCYANATE.** Vapor and spray mist are harmful. Overexposure may cause lung damage and trigger allergic skin and/or respiratory reactions in sensitive people. Isocyanates may affect the brain or other parts of the nervous system, causing nausea, dizziness, or headaches. Wear a properly fitted vapor/particulate respirator equivalent to NIOSH 23C during application and until the work area has been fully exhausted of all vapors. Individuals with chronic respiratory problems should not be exposed to this product's vapor or spray mist. If you experience symptoms, remove to fresh air immediately and contact a physician if breathing difficulty persists or recurs. Follow all applicable directions and use care when handling this product.

THIS PRODUCT IS INTENDED FOR PROFESSIONAL INDUSTRIAL USE ONLY. Thoroughly review the product label and Safety Data Sheet (SDS) before using. Product information, including the SDS and a copy of this PDS is available online at [www.pfiinc.net](http://www.pfiinc.net) or by request. This product is free of lead and chrome.

**WARRANTY & LIMITATION OF SELLER'S LIABILITY:** PFI, Inc. warrants only that the products represented herein meet the formulation standards of PFI, Inc. This warranty shall be in lieu of any other warranty, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description on the face hereof. The buyer's sole and exclusive remedy against PFI, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose so long as PFI, Inc. is willing to provide comparable replacement product to the buyer. No other remedy (including but not limited to incidental or consequential damages for lost profits, lost sales, injury to persons or property, environmental injuries, or any other incidental or consequential loss) shall be available to the buyer.