



# HP | HIGH PERFORMANCE

# HP3310

DTM Acrylic Enamel Semi-Gloss

## General Description

**HP3310 Acrylic DTM Enamel** is a high-performance, direct-to-metal acrylic finish formulated for application to a wide variety of metals and other substrates. The coating performs very well in light to moderate industrial exposures and is ideal for commercial and facility applications. Additionally, the product is formulated to prevent flash rusting when applied to ferrous metals and provide long term corrosion protection. The waterborne formulation ensures easy application and easy clean-up.

- Highly moisture resistant
- Flash rust resistant
- Can be applied to a wide variety of substrates

## Usage

For interior or exterior ferrous and non-ferrous metals, concrete, masonry, wood, fiberglass and drywall. DTM Acrylic Enamel is designed for use in commercial and light Industrial settings as well as general metal finishing and fabrication shops.

<b>Colors</b>	White (01), Black (80)
<b>Bases</b>	7X, 8X, 9X
<b>Colorant System</b>	Gennex®

## Technical Data

<b>Resin</b>	Acrylic
<b>Pigment</b>	Titanium Dioxide
<b>Volume Solids (mixed)</b>	45 ± 2%
<b>Spread Rate Per Gallon</b>	300 – 400 Sq. Ft.
<b>Recommended</b>	Wet: 4.0 – 5.3 mils
<b>Film Thickness</b>	Dry: 1.8 – 2.4 mils
Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure color uniformity and minimize the disposal of excess material.	
<b>Dry Time @ 77 °F</b>	To Touch: 1 hour
<b>(25 °C) @ 50% RH</b>	To Recoat: 4 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
<b>Surface Temperature</b>	Min: 50 °F
<b>During Application</b>	Max: 100 °F
<b>Viscosity</b>	82 ± 4 KU
<b>Flash Point</b>	NA
<b>Sheen / Gloss</b>	45 – 55 @ 60°
<b>Clean Up</b>	Water
<b>Thinner</b>	Water
<b>Weight Per Gallon (mixed)</b>	10.5 lbs.
<b>Storage Temperature</b>	Min: 40 °F
	Max: 90 °F
<b>VOC</b>	< 100 g/L

## Surface Preparation

Prior to painting any surface, area must be clean, dry and free of all grease, dirt, dust, oil and wax. Clean all surfaces using HP6000 Oil & Grease Emulsifier. Remove all remaining loose paint, rust and mill scale via Hand Tool Cleaning (SSPC-SP 2) or Power Tool cleaning (SSPC-SP 3). Fill holes and cracks and sand smooth. Glossy surfaces must be fully deglossed. Moderate to heavily rusted areas must be thoroughly prepared and active rust should be properly removed.

**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 Informational Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## Primer Systems

**Ferrous Metal:** Apply directly to properly prepared, ferrous metal surfaces. For additional rust protection, prime with HP1100 Acrylic Metal Primer.

**Galvanized, Aluminum and Non-Ferrous Metals:** Clean oil from new galvanized metal by cleaning with HP6000 Oil & Grease Emulsifier. Apply directly to properly prepared, ferrous metal surfaces. For additional rust protection, prime with HP1100 Acrylic Metal Primer.

**Wood:** Sand surfaces. Prime bare spots and new wood with an acrylic primer/sealer/undercoater.

**Drywall and Cured Plaster:** Sand surfaces. Prime with an acrylic primer/sealer/undercoater.

**Concrete/Masonry:** All vertical masonry surfaces must be allowed to cure a minimum of 30 days before painting. Acid etch or abrasive blast all slick, glazed concrete or concrete with laitance. For acid etching, follow all manufacturer’s directions and safety instructions. Smooth surfaces should be coated with a masonry sealer. For rough surfaces, prime with a block filler to produce a smoother finish followed by one or two coats of HP3310 as needed.

## Limitations

- Not recommended for immersion service
- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C)

## Compliance & Certifications

<b>FEDERAL</b>	✓
<b>OTC</b>	✓
<b>OTC II</b>	✓
<b>CARB</b>	✓
<b>CARB07</b>	✓
<b>CARB19</b>	✓
<b>UTAH</b>	✓
<b>AZMC</b>	✓
<b>SCAQMD</b>	✓
<b>Eligible for LEED® v4</b>	✓
<b>CDPH Emissions Certified</b>	✓
<b>Eligible for CHPS low emitting credit</b> (Collaborative for High Performance Schools)	✓
<b>MPI</b>	153, 163

## Application

Stir thoroughly before and during use. For best results, use a premium Benjamin Moore® custom-blended nylon/polyester brush, premium Benjamin Moore® roller, or a similar product. Apply paint generously from unpainted area into wet area. This product can also be sprayed.

**Spray, Airless:**  
Pressure / 1,500 – 2,500 PSI  
Tip / 0.013 – 0.017

Conditioning with Benjamin Moore® 518 Extender may be necessary under certain conditions to adjust open time or spray characteristics. Add 518 Extender or water - Max of 8 fl. oz. per gallon. Never add other paints or solvents.

**NOTE:** Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with recommended thinner. No reduction is necessary. Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C). Relative humidity should be below 90%. Do not apply if within 5 degrees of dew point or if rain is expected within 12 hours of application.

## Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180  
visit [www.benjaminmoore.com](http://www.benjaminmoore.com)

### Clean Up

Wash brushes, rollers, and other painting tools in warm soapy water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent rusting.

**USE COMPLETELY OR DISPOSE OF PROPERLY.** Dry, empty containers may be recycled in a can recycling program. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Good
Acids	Fair
Alkalis	Fair
Solvents	Not Recommended
Fuel	Not Recommended
Acidic Salt Solutions	Fair
Alkaline Salt Solutions	Fair
Neutral Salt Solutions	Good

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/8" Mandrel
Dry Heat Resistance	200 °F (93.3 °C)
Wet Heat Resistance	150 °F (65.5 °C)
Adhesion (ASTM D3359)	Pass 5B
Salt Spray (ASTM B117) (2 Coats over HP1100; 1000 Hours)	Rust Breakthrough: 10 Rust Area: 0.01%
Abrasion Resistance (ASTM D4060) CS-17 Wheel, 1000 Cycles, 1000 g Load	100 mg Loss
Accelerated Weathering (ASTM G53) 500 Hours	90% Gloss Retention < 0.25 DE Color Change (CMC)

### Environmental Health & Safety Information

**Use only with adequate ventilation.** Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer's directions for respirator use. Close container after each use. Wash thoroughly after handling.



**WARNING** Cancer and Reproductive Harm— [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)  
Refer to the product label & Safety Data Sheet for product specific information.

**FIRST AID:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If you experience difficulty breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately.

**IN CASE OF SPILL** – Absorb with inert material and dispose of as specified under "Clean up".

### FOR PROFESSIONAL USE ONLY PROTECT FROM FREEZING

Refer to Safety Data Sheet for additional  
health and safety information.