



HP | HIGH PERFORMANCE

HP3300
DTM Acrylic Enamel Gloss

General Description

HP3300 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

HP3300 is for interior and exterior use on steel, galvanized steel, aluminum, masonry, concrete, wood, machinery, plaster, drywall, and properly prepared equipment and other fixtures.

Colors	White (01), Safety Yellow (10), Safety Red (20), Bronzetone (62), Black (80)
Bases	7X, 8X, 9X
Colorant System	Gennex®

Technical Data

Resin	Acrylic enamel
Pigment	Titanium Dioxide
Volume Solids (mixed)	42 ± 2%
Spread Rate Per Gallon	300 – 400 Sq. Ft.
Recommended	Wet: 4.0 – 5.3 mils
Film Thickness	Dry: 1.7 – 2.2 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.	
Dry Time @ 77 °F	To Touch: 1 hour
(25 °C) @ 50% RH	To Recoat: 4 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
Surface Temperature	Min: 50 °F
During Application	Max: 100 °F
Viscosity	93 ± 4 KU
Flash Point	NA
Sheen / Gloss	70 – 80 @ 60°
Clean Up	Warm, soapy water
Thinner	Water
Weight Per Gallon (mixed)	9.8 lbs.
Storage Temperature	Min: 45 °F
	Max: 95 °F
VOC	< 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.

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 HP3300 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

OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✓

Eligible for LEED® v4	✓
CDPH Emissions Certified	✓
Eligible for CHPS low emitting credit (Collaborative for High Performance Schools)	✓

MPI 114, 154, 164

Suitable for use in USDA inspected facilities

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-866-708-9180
visit www.benjaminmoore.com

Application

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 areas into wet area. This product can also be sprayed.

Spray, Airless:

Pressure / 1,500 – 2,500 PSI

Tip / 0.013 – 0.017

NOTE: Do not allow material to remain in hoses, gun or spray equipment. Thoroughly flush all equipment with warm water. 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%.

Clean Up

Wash brushes, rollers, and other painting tools with soap and water immediately after use.

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
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117) 150 Hours (2 coats over HP1100)	Rust Breakthrough: 10 Rating Rust Area: 0.01%
Abrasion Resistance (ASTM D4060) CS-17 wheel, 1000 Cycles, 100 g Load	100 mg Loss
Accelerated Weathering (ASTM G53) 500 Hours	90% Gloss Retention < 0.25 DE Color Change

Environmental Health & Safety Information

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)



WARNING Cancer and Reproductive Harm— www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

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.**