

# HP | HIGH PERFORMANCE

# **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 Gen	

#### **Technical Data**

Resin		Acrylic enamel
Pigment		Titanium Dioxide
Volume Solids (mixed)	)	42 ± 2%
Spread Rate Per Gallo	n	300 – 400 Sq. Ft.
Recommended	Wet:	4.0 – 5.3 mils
Film Thickness	Dry:	1.7 – 2.2 mils
Depending on surface t	exture an	d porosity. Be sure
to estimate the right a	amount of	paint for the job.
This will ensure color u	uniformity	and minimize the
disposal of excess mate	erial.	
Dry Time @ 77 °F	To Touc	h: 1 hour
(25 °C) @ 50% PU	To Pocc	at: A hours

(25 °C) @ 50% RH	To Recoat:	4 hours
High humidity and coo	ol 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 (mix	ed)	9.8 lbs.
Storage Temperature	Min:	45 °F
Storage reinperature	Max:	95 °F
VOC	99 g/	L 0.83 lbs./gal

#### **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 losse 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)

# HP3300

DTM Acrylic Enamel

Compliance	e & Certificati	ons	
отс	$\checkmark$		
OTC II	$\checkmark$		
CARB	$\checkmark$		
CARB07	$\checkmark$		
CARB19	$\checkmark$		
UTAH	$\checkmark$		
AZMC	$\checkmark$		
SCAQMD	$\checkmark$		
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 <u>www.benjaminmoore.com</u>

#### Application

For best results, use a premium Benjamin Moore<sup>®</sup> custom-blended nylon/polyester brush, premium Benjamin Moore<sup>®</sup> 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) *
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Excellent
Good
Fair
Fair
Not Recommended
Not Recommended
Fair
Fair
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)	Rust Breakthrough: 10 Rating	
150 Hours (2 coats over HP1100)	Rust Area: 0.01%	
Abrasion Resistance		
(ASTM D4060) CS-17 wheel,	100 mg Loss	
1000 Cycles, 100 g Load		
Accelerated Weathering	90% Gloss Retention	
(ASTM G53) 500 Hours	< 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-<u>www.P65Warnings.ca.gov</u> 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.