

General Description

HP3320 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

HP3320 is for interior and exterior use on steel, galvanized steel, aluminum, masonry, concrete, wood, machinery, plaster, drywall, and properly prepared equipment and other fixtures.

Colours White (01), Bronzestone (62), Black (80)
Bases 7X, 8X, 9X
Colorant System Gennex®

Technical Data

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Vehicle | Acrylic |
| Pigment | Titanium Dioxide |
| Volume Solids | 43 ± 2% |
| Spread Rate Per 3.79 L | 27.9 – 37.2 sq. m. (300 – 400 sq. ft.) |
| Recommended Film Thickness | Wet: 4.0 – 5.3 mils Dry: 1.7 – 2.0 mils |
| Depending on surface texture and porosity. Be sure to estimate the right amount of paint for the job. This will ensure colour uniformity and minimize the disposal of excess paint. | |
| Dry Time @ 25 °C (77 °F) @ 50% RH | To Touch: 1 hour To Recoat: 4 hours |
| High humidity and cool temperatures will result in longer dry, recoat and service times. | |
| Surface Temperature During Application | Min: 10 °C (50 °F) Max: 37.7 °C (100 °F) |
| Viscosity | 77 ± 4 KU |
| Flash Point | NA |
| Sheen / Gloss | 35 – 45 @ 60° |
| Clean Up Thinner | Warm, soapy water Water |
| Weight Per 3.79 L | 4.6 kg (10.3 lbs.) |
| Storage Temperature | Min: 7.2 °C (45 °F) Max: 35 °C (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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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. Apply one or two coats of HP3410 as needed.

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 HP3320 as needed.

Compliance & Certifications

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

Limitations

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

Technical Assistance

Available through your local authorized independent Benjamin Moore retailer.

call 1-800-361-5898
 visit www.benjaminmoore.ca

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 10 °C / 50 °F. 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 | 93.3 °C / 200 °F |
| Wet Heat Resistance | 65.5 °C / 150 °F |
| Adhesion (ASTM D3359) | Passes 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

Use only in a well ventilated area. 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.

**FOR PROFESSIONAL USE ONLY
PROTECT FROM FREEZING**

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