

General Description

HP2220 Alkyd Urethane Enamel is a versatile maintenance coating for interior and exterior surfaces. The surface-tolerant formula adheres to metal surfaces that may be marginally prepared, and the exceptional flow and leveling provides a smooth, uniform finish, with excellent protective qualities. This rust preventative coating can be applied directly to ferrous metal or used in combination with a Benjamin Moore® HP metal primer for increased corrosion protection.

- Dual purpose- primer and finish coat
- Durable rust preventative coating
- Versatile protection for metal substrates

Usage

For interior or exterior commercial and residential applications on metal equipment, machinery, metal doors and cabinets, storage tanks, metal buildings, fences, marine exposures (above water) and general maintenance painting.

Colors	White (01), Bronzestone (62), Black (80)
Bases	7B, 8B, 9B
Colorant System	Color Preview®

Technical Data

Vehicle	Alkyd urethane
Pigment	Titanium Dioxide
Volume Solids	55 ± 2%
Spread Rate Per Gallon	32.5 – 41.8 sq. m. (350 – 450 Sq. Ft.)
Recommended Film Thickness	Wet: 3.6 – 4.6 mils Dry: 2.0 – 2.5 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 material.	
Dry Time @ 25 °C (77 °F) @ 50% RH	To Touch: 2 hours To Recoat: 12 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
Surface Temperature During Application	Min: 7.2 °C (45 °F) Max: 37.8 °C (100 °F)
Viscosity	80 ± 4 KU 41 °C (106 °F) or greater (TT-P-141, Method 4293)
Flash Point	30 – 40 @ 60°
Sheen / Gloss	30 – 40 @ 60°
Clean Up	Mineral Spirits or HP7010
Thinner	Do not thin
Weight Per Gallon	4.6 kg (10.5 lbs.)
Storage Temperature	Min: 7.2 °C (45 °F) Max: 35 °C (95 °F)
VOC	369 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: Self-priming
For additional protection, HP1320 Alkyd Metal Primer or HP1100 Acrylic Metal Primer can be used.

Galvanized, Aluminum and Non-Ferrous Metals:
Clean oil from new galvanized metal by cleaning with HP6000 Oil & Grease Emulsifier. Prime new or un-rusted metal with HP1100 Acrylic Metal Primer or HP1750 Waterborne Bonding Primer.

Limitations

- Not recommended for non-ferrous metals such as galvanized, aluminum or for use in immersion service
- Do not apply if material, substrate or ambient temperature is below 45 °C (7.2 °F)

Application

Stir thoroughly before and during use. Apply one or two coats. For best results, use a premium natural bristle brush and premium roller. 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

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 7.2 °C (45 °F). 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.ca

Clean Up

Wash brushes, rollers, and other painting tools with Mineral Spirits or HP7010 immediately after use.

DANGER: Rags, steel wool or waste soaked with the product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

CHEMICAL RESISTANCE GUIDE (NON-IMMERSION)	
Fresh Water	Excellent
Salt Water	Good
Acids	Fair
Alkalis	Fair
Solvents	Fair
Fuel	Fair
Acidic Salt Solutions	Good

TEST DATA	
Flexibility (ASTM D1737)	Pass 6.35 mm (1/4") Mandrel
Dry Heat Resistance	149 °C (300 °F)
Wet Heat Resistance	71 °C (160 °F)
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117) Two coats over HP1420 primer	500 Hours-Pass (Rating 10, Rust Area 0.00%)
Abrasion Resistance (ASTM D4060) CS10 Wheel	120 mg loss after 1000 cycles
Accelerated Weather (ASTM G53)	70% Retention after 500 Hrs.

Environmental Health & Safety Information

DANGER!

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor

Risk of spontaneous combustion

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use only non-sparking tools. Take action to prevent static discharges. Keep cool. Immediately after use, place rags, steel wool or waste used with this product in a sealed water-filled metal container or lay flat to dry.

Response: IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. In case of fire: Use CO₂, dry chemical, or foam for extinction.

Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container to an approved waste disposal plant. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY
FOR METAL SUBSTRATES ONLY**

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