

General Description

HP2200 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.

- Urethane modified alkyd formula
- Protects against atmospheric corrosion
- UV stable
- Abrasion and impact resistant

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), Safety Yellow (10), Safety Red (20), Safety Blue (30), Silver Gray (70), Battleship Gray (75), Black (80)
Bases	7B, 8B, 9B
Colorant System	Color Preview®

Technical Data

Resin	Alkyd urethane	
Pigment	Titanium Dioxide	
Volume Solids (mixed)	53 ± 2%	
Spread Rate Per Gallon	350 – 450 Sq. Ft.	
Recommended	Wet:	3.6 – 4.6 mils
Film Thickness	Dry:	1.9 – 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.		
Dry Time @ 77 °F	To Touch:	2 hours
(25 °C) @ 50% RH	To Recoat:	12 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.		
Surface Temperature	Min:	45 °F
During Application	Max:	100 °F
Viscosity	84 ± 4 KU	
Flash Point	113 °F (TT-P-141, Method 4293)	
Sheen / Gloss	85+ @ 60°	
Clean Up	Mineral Spirits or HP7010	
Thinner	Do Not Thin	
Weight Per Gallon (mixed)	9.4 lbs.	
Storage Temperature	Min:	45 °F
	Max:	95 °F
VOC	396 g/L	3.31 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 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: 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 immersion service
- Do not apply if material, substrate or ambient temperature is below 45 °F (7.2 °C)

Compliance & Certifications

FEDERAL	✓
OTC	✓
OTC II	✗
CARB	✓
CARB07	✗
CARB19	✗
UTAH	✗
AZMC	✓
SCAQMD	✗
MPI	9, 48

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 / 0.015 – 0.019

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 45 °F (7.2 °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

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. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Local disposal requirements vary; consult your sanitation department or state-designated environmental agency for local disposal options.

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 1/4" (6.35 mm) Mandrel
Dry Heat Resistance	275 °F (135 °C)
Wet Heat Resistance	150 °F (65.5 °C)
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117)	500 Hours-Pass
Two coats over HP1320	(Rating 10, Rust Area 0.00%)
Accelerated Weather (ASTM G53)	70% Retention after 500 Hrs.
Abrasion Resistance (ASTM D4060) CS10 Wheel	120 mg loss after 1000 cycles

Environmental Health & Safety Information

- 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

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.

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



WARNING Cancer and Reproductive Harm— www.P65Warnings.ca.gov

Refer to the product label & Safety Data Sheet for product specific information.

FIRST AID: 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.

IN CASE OF SPILL – Absorb with inert material and dispose of as specified under “Clean Up”.

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

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