



HP | HIGH PERFORMANCE

# HP2200.78

Alkyd Urethane Enamel Gloss  
Aluminum

## General Description

**HP2200.78 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.

**Color** Aluminum (78)

## Technical Data

<b>Resin</b>	Alkyd urethane
<b>Pigment</b>	Titanium Dioxide
<b>Volume Solids</b>	43 ± 2%
<b>Spread Rate Per Gallon</b>	350 – 450 Sq. Ft.
<b>Recommended</b>	Wet: 3.6 – 4.6 mils
<b>Film Thickness</b>	Dry: 1.5 – 2.0 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.	
<b>Dry Time @ 77 °F</b>	To Touch: 2 hours
<b>(25 °C) @ 50% RH</b>	To Recoat: 12 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
<b>Surface Temperature</b>	Min: 45 °F
<b>During Application</b>	Max: 100 °F
<b>Viscosity</b>	83 ± 4 KU
<b>Flash Point</b>	104 °F (TT-P-141, Method 4293)
<b>Sheen / Gloss</b>	85+ @ 60°
<b>Clean Up</b>	Mineral Spirits or HP7010
<b>Thinner</b>	Do Not Thin
<b>Weight Per Gallon (mixed)</b>	9.8 lbs.
<b>Storage Temperature</b>	Min: 45 °F
	Max: 95 °F
<b>VOC</b>	438 g/L 3.66 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](http://www.epa.gov/lead).

## Primer Systems

**Ferrous Metal:** Self-priming  
For additional protection, HP1320/CHP1320 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

<b>FEDERAL</b>	✓
<b>OTC</b>	✓
<b>OTC II</b>	✓
<b>CARB</b>	✓
<b>CARB07</b>	✓
<b>CARB19</b>	✓
<b>UTAH</b>	✓
<b>AZMC</b>	✓
<b>SCAQMD</b>	✗
<b>MPI</b>	1

## 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](http://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

## 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](http://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.**