



HP | HIGH PERFORMANCE

CHP2300

Quick Dry Alkyd Enamel Gloss

General Description

CHP2300 Quick Dry Alkyd Enamel is a quick-dry, rust-preventative enamel formulated for use on ferrous metal substrates. It provides corrosion protection for both interior and exterior steel surfaces. CHP2300 may be applied to new, properly prepared or previously coated surfaces.

- Tough, durable film with outstanding adhesion
- Self-priming with easy application
- Dries to touch in 15 minutes

Usage

For interior or exterior commercial and residential applications on metal equipment, machinery, metal doors and cabinets, storage tanks, metal buildings, fences, and general maintenance painting.

Colors	White (01), Safety Yellow (10), Light Gray (71), Battleship Gray (75), Black (80)
Bases	7B, 8B, 9B
Colorant System	Industrial

Technical Data

Resin	VT Alkyd
Pigment	Titanium Dioxide
Volume Solids (mixed)	60 ± 2%
Spread Rate Per Gallon	350 – 450 Sq. Ft.
Recommended	Wet: 3.6 – 4.6 mils
Film Thickness	Dry: 2.1 – 2.7 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 (25 °C) @ 50% RH	To Touch: 15 minutes To Recoat: 2 hours
Block resistant in 6 hours. Lightly sand if recoating after 18 hours. High humidity and cool temperatures will result in longer dry, recoat and service times.	
Surface Temperature	Min: 50 °F
During Application	Max: 100 °F
Viscosity	78 ± 4 KU
Flash Point	50 °F (TT-P-141, Method 4293)
Sheen / Gloss	85+ @ 60°
Clean Up	Mineral Spirits or HP7010
Thinner	Do Not Thin
Weight Per Gallon	10.7 lbs.
Storage Temperature	Min: 45 °F Max: 95 °F
VOC	< 250 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 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, 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 floors, exterior wood surfaces or immersion service.
- Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C).
- Do not apply directly to non-ferrous metals such as galvanized, aluminum unless properly primed.

Compliance & Certifications

FEDERAL	✓
OTC	✓
OTC II	✓
CARB	✓
CARB07	✓
CARB19	✓
UTAH	✓
AZMC	✓
SCAQMD	✗
MPI	96

Suitable for use in USDA inspected facilities

Application

Stir thoroughly before and during use.
Apply one or two coats.
Spray application only.
If necessary, small areas can be brushed or rolled using a Natural Brush or a 1/4" – 1/2" synthetic roller cover.

Spray, Airless:
Pressure / 2,200 – 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 50 °F (10 °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
2% Sodium Hydroxide	Excellent
5% Acetic Acid	Excellent
Lactic Acid	Excellent
Mineral Oil	Excellent

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/4" (6.35 mm) Mandrel
Dry Heat Resistance	200 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Fog Resistance (ASTM B117)	200 Hours-Pass
Two coats over HP1320	(Rating 10, Rust Area 0.00%)

Environmental Health & Safety Information

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.

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.**