



HP | HIGH PERFORMANCE

HP2100
Water Reducible Alkyd

General Description

HP2100 Water Reducible Alkyd enamel offers the application and performance characteristics of a conventional alkyd coating with the ease of water clean-up. HP2100 is designed for use on properly prepared interior and exterior ferrous and non-ferrous metals. The flow and leveling of this formula will result in a protective coating with a professional finish.

- Corrosion resistant finish
- Excellent leveling properties
- Impact and abrasion resistance

Usage

Excellent for interior or exterior use in the general metal finishing / fabrication market, industrial maintenance and refurbishment market, tank refinishing and refurbishment market, and other markets requiring water thinned products with the performance attributes of conventional alkyds.

Colors	Black (80)
Bases	7X & 9X
Colorant System	Gennex®

Technical Data

Resin	Modified Alkyd
Pigment	Titanium Dioxide
Volume Solids (mixed)	29 ± 2%
Spread Rate Per Gallon	350 – 450 Sq. Ft.
Recommended	Wet: 3.6 – 4.6 mils
Film Thickness	Dry: 1.0 – 1.3 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:	1 hour
(25 °C) @ 50% RH	To Recoat:	2 hours

If topcoat is not applied within 72 hours abrade the surface to ensure proper inter-coat adhesion. Maximum abrasion and chemical resistance are achieved at full cure; care should be taken to prevent damage to the coating during the curing process. High humidity and cool temperatures will result in longer dry, recoat and cure times.

Surface Temperature	Min:	50 °F
During Application	Max:	100 °F
Viscosity		77 ± 4 KU
Flash Point		NA
Sheen / Gloss		85+ @ 60°
Clean Up		Warm, soapy water
Thinner		Water
Weight Per Gallon		10.4 lbs.
Storage Temperature	Min:	45 °F
	Max:	95 °F
VOC		< 340 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: New metal surfaces should be primed with HP1320 Universal Metal Primer or HP1100 Acrylic Metal Primer.

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 for use on floors.
- Not recommended for non-ferrous metals such as galvanized, or aluminum unless previously painted or properly primed.
- Not recommended for exterior wood surfaces.

Compliance & Certifications

OTC	✓
OTC II	✗
CARB	✗
CARB07	✗
CARB19	✗
UTAH	✗
AZMC	✓
SCAQMD	✗

Application

Stir thoroughly before and during use. Apply one or two coats. For best results, use a premium nylon/polyester brush and premium roller. Apply paint generously from unpainted area into wet area. This product can also be sprayed. No reduction is necessary although up to 8 fl. oz of water can be added if needed.

Recoating HP2100 with itself (@ 77 °F) should be done within 5 hours of initial coat application or after a 36-hour cure period. Cooler temperatures will extend this time period. This dry time is based on 77 °F (25 °C) and 50% relative humidity. Lower temperature and/or higher humidity will result in longer dry times.

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 warm water.

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 soap and water immediately after use. Spray equipment should be given a final rinse with mineral spirits to prevent corrosion.

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	Excellent
Acids	Good
Alkalis	Good
Solvents	Good
Fuel (Mild Exposure)	Good
Acidic Salt Solutions	Good
Alkaline Salt Solutions	Good
Neutral Salt Solutions	Good

TEST DATA	
Flexibility (ASTM D1737)	Pass 1/8" Mandrel
Dry Heat Resistance	300 °F
Wet Heat Resistance	150 °F
Gloss Retention by QUV Testing (ASTM G5) 500 hours	90% Gloss retention
Pendulum Hardness – Persoz (ASTM D4366)	94
Adhesion (ASTM D3359) 3	Passes 5B
Abrasion Resistance - (ASTM D4060) CS-10 Wheel 1000g load	.17 mg loss
Salt Fog Resistance (ASTM B117) Two coats	500 hours - Pass

Environmental Health & Safety Information

Use only with adequate ventilation. Do not breathe spray mist or sanding dust. Ensure fresh air entry during application and drying. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid exposure to dust and spray mist by wearing a NIOSH approved respirator during application, sanding and clean up. Follow respirator manufacturer’s directions for respirator use. Close container after each use. Wash thoroughly after handling.



WARNING Cancer and Reproductive Harm– www.P65Warnings.ca.gov
Refer to the product label & Safety Data Sheet for product specific information.

FIRST AID: If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If symptoms persist, seek medical attention. If swallowed, do not induce vomiting. Get medical attention immediately.

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

**FOR PROFESSIONAL USE ONLY
PROTECT FROM FREEZING**

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