



General Description

HP1320 Universal Metal Primer is a high-performance, one-component, quick-dry, rust-inhibitive metal primer, formulated for use on ferrous metal substrates. The phenolic alkyd resin formulation allows for a wide variety of intermediate and finish coats. The quick dry and recoat times allow for fast turnaround of production work. Additionally, this product may be used as a tie coat over existing coatings that will be finished with a high performance coating. Not recommended for non-ferrous metals such as galvanized, aluminum or for use in immersion service. May be applied to new or properly prepared rusted surfaces

- Fast 30-minute dry
- Use over many existing coatings
- Corrosion protection on all ferrous metals
- Accepts most topcoats

Usage

Ferrous Metal such as Steel & Iron. Universal Metal Primer is a high performance coating specifically designed for application directly to ferrous metal substrates. It provides corrosion resistance for both interior and exterior steel surface in mildly corrosive conditions.

Colors	White (01), Red (20), Gray (70)
Colorant System	Industrial Maintenance (up to 2 fl. oz. per gallon)

Technical Data

Vehicle	Phenolic Alkyd
Pigment	Titanium Dioxide
Volume Solids	50 ± 2%
Spread Rate Per Gallon	350 – 450 Sq. Ft.
Recommended	Wet: 3.6 – 4.6 mils
Film Thickness	Dry: 1.8 – 2.3 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: 30 minutes
(25 °C) @ 50% RH	To Recoat: 4 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
Surface Temperature	Min: 50 °F
During Application	Max: 90 °F
Viscosity	73 ± 4 KU
Flash Point	50 °F (TT-P-141, Method 4293)
Sheen / Gloss	0 – 3 @ 85°
Clean Up	HP7030 or Xylene
Thinner	Do not thin
Weight Per Gallon	11.2 lbs.
Storage Temperature	Min: 40 °F
	Max: 100 °F
VOC	< 400 g/L

Surface Preparation

All grease, oil, dirt, mildew, or any other surface contaminants must be removed using HP6000 Oil & Grease Emulsifier or SSPC-SP1 solvent cleaning.

Ferrous Metal:

All loose rust and mill scale should be removed prior to applying this product. A minimum of SSPC-SP6 Commercial Blast or abrasive blasting is recommended for severe environmental exposures. Small areas may be cleaned in accordance with SSPC-SP2 Hand Tool Cleaning or SSPC-SP3 Power Tool Cleaning or SSPCSP13 Power Tool Cleaning to bare metal. Tightly adhering rust may be coated over provided the surface is intended for use in mild atmospheric exposures.

Previously Painted Surfaces:

Clean using HP6000 Oil & Grease Emulsifier or solvent washed as outlined above. Dull glossy surfaces by sanding. Remove all loose, flaking or peeling paint prior to application.

**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).

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 50 °F (10 °C)

Compliance & Certifications

OTC	✓
OTC II	✗
CARB	✓
CARB07	✗
CARB19	✗
UTAH	✗
AZMC	✓
SCAQMD	✗
MPI	76, 79

Suitable for use in USDA inspected facilities

Application

Mix the product thoroughly before application. The use of a drill mixer at low speed will best accomplish this.

Do not thin

Spray, Airless:

Pressure / 1,500 – 2,200 PSI

Tip / 0.013 – 0.017

Air Spray (Pressure Pot):

704 or 765 air cap and Fluid Tip E

Can be brushed using a natural bristle brush or rolled using a 3/8" lambs wool or 1/4" – 1/2" synthetic roller cover

**NOTE:** Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) or above 90 °F (32 °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 HP7030 or Xylene immediately after use.

**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.

TEST DATA	
Steam Resistant	Yes
Flexibility (ASTM D1737)	Pass ¼" Mandrel
Dry Heat Resistance	250 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Spray (ASTM B117)	Face Corrosion – None
Topcoat HP5000; 1000 Hours	Face Blistering – None
Humidity (ASTM D4585)	Face Corrosion – None
Topcoat HP5000; 1000 Hours	Face Blistering – None

**Environmental Health & Safety Information**

**DANGER!**

- Causes skin irritation**
- Causes serious eye irritation**
- May cause an allergic skin reaction**
- May cause cancer**
- Causes damage to organs through prolonged or repeated exposure**
- May be fatal if swallowed and enters airways**
- Highly flammable liquid and vapor**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. 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.

**Response:** IF exposed or concerned: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. 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 cool.

**Disposal:** Dispose of contents/container to an approved waste disposal plant. **DANGER** - Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.



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

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