



HP | HIGH PERFORMANCE

HP1420

Shop Primer

General Description

HP1420 Shop Primer is formulated for use on interior or exterior ferrous metals in mild to moderate exposures that will be blasted at the job site and recoated. Topcoats containing strong solvents may cause lifting or wrinkling.

- Economical protective coat for bare ferrous metal
- Accepts most topcoats
- Dry to the touch in 30 minutes

Usage

Ferrous Metal such as Steel & Iron. Shop Primer is designed for the general metal finishing and fabrication markets.

Colors	Red (20), Gray (70)
Colorant System	Do not tint

Technical Data

Vehicle	Alkyd	
Pigment	Titanium Dioxide	
Volume Solids	53 ± 2%	
Spread Rate Per Gallon	350 – 400 Sq. Ft.	
Recommended	Wet:	4.0 – 4.6 mils
Film Thickness	Dry:	2.1 – 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:	30 minutes
(25 °C) @ 50% RH	To Recoat:	2 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	83 ± 4 KU	
Flash Point	75 °F + (TT-P-141, Method 4293)	
Sheen / Gloss	0 – 3 @ 85°	
Clean Up	HP7030 or Xylene	
Thinner	Do not thin	
Weight Per Gallon	12.4 lbs.	
Storage Temperature	Min:	40 °F
	Max:	100 °F
VOC	336 g/L	2.8 lbs./gal

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:

For best results, abrasive blast to a commercial blast (SSPC-SP-6). For mild conditions, a hand or power tool cleaning (SSPC-SP-2) may be satisfactory.

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.

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

FEDERAL	✓
OTC	✓
OTC II	x
CARB	x
CARB07	x
CARB19	x
UTAH	x
AZMC	✓
SCAQMD	x

Suitable for use in USDA inspected facilities

Meets SSPC Paint 15, Type 1

Application

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

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

NOTE: Do not apply if material, substrate or ambient temperature is below 50 °F (10 °C) or above 100 °F (37.8 °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 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	200 °F
Wet Heat Resistance	125 °F
Adhesion (ASTM D3359)	Pass 5B
Salt Spray (ASTM B117)	Rust Breakthrough: 10
With topcoat; 500 Hours	Rust Area: 0.01%

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
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.**