

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. Top coats containing strong solvents may cause lifting or wrinkling.

- Economical protective coat for bare ferrous metal
- Accepts most top coats
- 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.

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

Technical Data

Vehicle	Alkyd
Pigment	Titanium Dioxide
Volume Solids	53 ± 2%
Spread Rate Per Gallon	32,5 – 37.2 sq. m. (350 – 400 Sq. Ft.)
Recommended Film Thickness	Wet: 4.0 – 4.6 mils 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 colour uniformity and minimize the disposal of excess material.	
Dry Time @ 25 °C (77 °F) @ 50% RH	To Touch: 30 minutes To Recoat: 2 hours
High humidity and cool temperatures will result in longer dry, recoat and service times.	
Surface Temperature During Application	Min: 10 °C (50 °F) Max: 37.8 °C (100 °F)
Viscosity	83 ± 4 KU
Flash Point	23.9 °C (75 °F) or greater (TT-P-141, Method 4293)
Sheen / Gloss	0 – 5 @ 85°
Clean Up Thinner	HP7030 or Xylene Do not thin
Weight Per Gallon	5.6 kg (12.4 lbs.)
Storage Temperature	Min: 4.4 °C (40 °F) Max: 37.8 °C (100 °F)
VOC	336 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:

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 logging onto Health Canada @ <https://www.canada.ca/en/health-canada/services/environmental-workplace-health/environmental-contaminants/lead/lead-information-package-some-commonly-asked-questions-about-lead-human-health.html>

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 10 °C (50 °F)

Compliance & Certifications

Meets CISC/CPMA 1-73a and CISC/PMA 2-75 Specifications

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 10 °C (50 °F) or above 37.8 °C (100 °F) 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.ca

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	
Flexibility (ASTM D1737)	Pass 6.4 mm (1/4") Mandrel
Steam Resistance	Yes
Dry Heat Resistance	93 °C (200 °F)
Wet Heat Resistance	51.7 °C (125 °F)
Adhesion (ASTM D3359)	Passes 5B
Salt Spray (ASTM B117)	Rust Breakthrough: 10 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 IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: 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. Materials such as rags used with this product may begin to burn by themselves. After use, put rags in water or lay flat to dry, then discard.

This document represents hazards of the product referenced above. Refer to the individual Safety Data Sheet for hazards of the specific product you will be using.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL USE ONLY**

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