Benjamin Moore®

HP | HIGH PERFORMANCE

HP1750

Waterborne Bonding Primer

General Description

HP1750 Waterborne Bonding Primer is a single-component, rust-inhibitive bonding primer suitable for use on a wide range of metal substrates. It can be used under a variety of finish coatings including alkyds, acrylics, epoxies, and urethanes. HP1750 is formulated to be used in place of traditional wash coat primers and offers a safer alternative on all projects. This product dries to a green translucent finish.

- Bonds to metal surfaces
- Accepts a wide range of top coats
- Rust inhibitive
- Adheres to glossy surfaces

Usage

Waterborne Bonding Primer is designed for use as a bonding coat on chrome, brass, copper, aluminum, galvanized metal and stainless steel. This product may also be used on ferrous metals and will offer a high degree of corrosion resistance when used with the proper topcoats. Applications over Kynar® or silicone polyester should be tested and approved by the buyer.

Colours	Translucent Green (00)
Colorant System	Do not tint

Technical Data

Vehicle		Acrylic
Pigment		Titanium Dioxide
Volume Solids		36 ± 2%
Spread Rate Per Gallon		27.9 – 37.2 sq. m. (300 – 400 Sq. Ft.)
Recommended Film Thickness	Wet:	4.0 – 5.3 mils
	Dry:	1.4 – 1.9 mils

Depending on surface texture and porosity.

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:	32 °C (90 °F)
Viscosity		75 ± 4 KU
Flash Point		NA
Sheen / Gloss		5 – 10 @ 60°
Clean Up		Water
Thinner		Water
Weight Per Gallon		4.6 kg (10.1 lbs.)
Storage Temperature	Min:	4.4 °C (40 °F)
	Max:	32 °C (90 °F)
VOC		< 100 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 SSPC-SP13 Power Tool Cleaning to bare metal. Tightly adhering rust may be coated over provided the surface is intended for use in mild atmospheric exposures.

Non-Ferrous Metal (Galvanized, Aluminum, etc.):
Remove surface contaminants using HP6000 Oil & Grease Emulsifier or SSPC-SP1 solvent cleaning.

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 floor applications
- Not recommended for immersion service
- Do not apply if material, substrate or ambient temperature is below 10 °C (50 °F) and with humidity levels less than 85%.

Compliance & Certifications

Eligible for LEED® v4	✓
CDPH Emissions Certified	✓
Eligible for CHPS low emitting credit (Collaborative for High Performance Schools)	✓

Class A (0-25) over non-combustible surfaces when tested in accordance with ATSM E-84.

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

Application

Stir thoroughly before and occasionally during use. Thinning is not required although a small amount of water (up to 236 mL / 8 fl. oz. per 3.79 L) may be added for preferred application properties.

For best results, use a Benjamin Moore® Professional custom-blended nylon/polyester, Benjamin Moore® Professional roller, or a similar product. This product can also be sprayed.

Spray, Airless:
Pressure /1,500 – 2,500 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 32 °C (90 °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

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

USE COMPLETELY OR DISPOSE OF PROPERLY 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 provincial-designated environmental agency on disposal options.

TEST DATA	
Dry Heat Resistance	93.3 °C (200 °F)
Wet Heat Resistance	65.5 °C (150 °F)
Adhesion (ASTM D3359)	Pass 5B

Environmental Health & Safety Information

Use only in a well ventilated area. Keep container closed when not in use. In case of spillage, absorb with inert material and dispose of in accordance with local regulations. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING
FOR PROFESSIONAL USE ONLY

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