



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.

Table with 2 columns: Colors, Translucent Green (00); Colorant System, Do Not Tint

Technical Data

Table with 2 columns: Vehicle, Acrylic; Pigment, Titanium Dioxide; Volume Solids, 36 ± 2%; Spread Rate Per Gallon, 300 - 400 Sq. Ft.; Recommended Wet, 4.0 - 5.3 mils; Film Thickness Dry, 1.4 - 1.9 mils

Depending on surface texture and porosity.

Table with 2 columns: 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.

Table with 2 columns: Surface Temperature Min, 50 °F; During Application Max, 90 °F; Viscosity, 75 ± 4 KU; Flash Point, NA; Sheen / Gloss, 5 - 10 @ 60°; Clean Up, Water; Thinner, Water; Weight Per Gallon, 10.1 lbs.; Storage Temperature Min, 40 °F; Max, 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 contacting the National Lead Informational Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

Limitations

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

Compliance & Certifications

Table with 2 columns: OTC, OTC II, CARB, CARB07, CARB19, UTAH, AZMC, SCAQMD, all with checkmarks.

Table with 2 columns: Eligible for LEED v4, CDPH Emissions Certified, Eligible for CHPS low emitting credit (Collaborative for High Performance Schools), all with checkmarks.

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

Suitable for use in USDA inspected facilities.

Application

Stir thoroughly before and occasionally during use. Thinning is not required although a small amount of water (up to 8 fl. oz. per gallon) 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 50 °F (10 °C) or above 90 °F (32 °C). Relative humidity should be below 85%. 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

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. 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	
Dry Heat Resistance	200 °F
Wet Heat Resistance	150 °F
Adhesion (ASTM D3359)	Pass 5B

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”.

**KEEP OUT OF REACH OF CHILDREN
PROTECT FROM FREEZING**

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